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337

<210> 13015
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13015

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gtctgccatc gccttggcct tggctaacaa tcgggaaagt tcttgactcc cggtcaaggt 240
aagagcaaac cgatccatcc acatggttgt ctcttggtgt aaagagtcga tcacccttcc 300
tctagcctct ttgtccgcat atacttgagc atactcatcc gcgattctat gctcgtggc 360
catggctaga cctaactctt cttggtaactt ggcgtatgata gct 403

<210> 13016
<211> 357
<212> DNA
<213> Glycine max

<400> 13016

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gtggccatt cttggatggc cttgatttc tcaagggtcca cttggacccc atttctacca 180
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tagagggtgg ttttcctaag gactgataga acatgcctga gatgtcctaa gtgatcatct 300
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<210> 13017
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13017

JC503 U.S. PRO
09/421106
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ccaaagactc tcattcatca aacttcaac cttaggggtac acactgcttc tattatatcg 180
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<212> DNA
<213> Glycine max

<223> unsure at all n locations
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caaccaaaat cacagcttt ctcacttaga gaccccagta ataattcctt cgatccaatt 360
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<210> 13019
<211> 125
<212> DNA
<213> Glycine max

<400> 13019

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ggacg 125

<210> 13020
<211> 483

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13020

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  ctgccagcag ctcactcgcc atcgagctag ttgttctnca aaagcacctg gaaaacttct 180
  ggatagccat atgggtctga attttatTTT gaccccccgt ttatactaaa tacacacgct 240
  ngccctttta tgctgattct ttttccgta acgttacgga aacttacgaa attcgttatt 300
  gatactttgt tntctttcc gtaaatggtn tggaaactta cggttacat aatcatccct 360
  ttttgcgttc cgaatgttcc gaacttacga atgtgcatta cactccctt gactttcgcc 420
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<210> 13021
 <211> 329
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13021

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  tggaaatg tgcagcagaa tttgtataa gtgcagaaaa atgcttgtt atggttggct 180
  gtggaaaggg tagtgcacat gngttctgg acattggata gtatcccc acggtaaaaa 240
  tgtaggctta tgtacttagag acttccagta aaatttcga gtcgatccaa tggtaacga 300
  cttggAACGA agaaaaggTT actgggata                                         329
  
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<210> 13022
 <211> 535
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13022

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atgagaacta tagatactgc agcttgagct cggtaacca cgtatccaac gaatggaata 180
tctgatcgcc tatacttcaa caacatctca tatggatgaa tgactctggc atactataag 240
ctcatgcacg gaaaatgtaa ttatgaaatt gagatgcccg aagaaacacc atattctatt 300
taaccatgca ttacgtacca tgtccaatta tttatgttt aagtgaaacg ggtgtatgat 360
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ttccttcttt gataatgttt tgagaagaaa acgccccgat gagcaacctg ataactaatg 480
gtctgcactc tatcacatca ataaggaaaaa gaacgcataat gcataagatg cgacn 535

<210> 13023
<211> 400
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13023

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agaattcccg tagttcaaa tcaactagaa agaaatggtg agaagttaaa agatgtaaga 180
attatggaga agatactatg ctcgttagat cccaaatttg tgcacattgt tgtgacaatc 240
aaggaaacca aagattttaga aactatgatg atagaaaaac ttcaaggatc actgcaagct 300
tatgatgaga agcataagaa gaagcanaag atcactgaga aaatcttcaa gatgcaacta 360
aaggagaaag aagaaagtgc aggaaatgag agaagtcaac 400

<210> 13024
<211> 385
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13024

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tttcaatttg agccttcact tgctcatgca gcttcttcac atactcagct ttagcctgtg 180
cgtccttatg cttaagcata gcaatgttag gcataatgcaa caaatcaaga ggaagtcaag 240
gattaaatcc atacactatc ttaaatggtg aacaattagt tgtgctatgg acagtccgat 300
tataagcaaa ctcaacatga agcaaacatg tntcccaaga ttaagaattt tcttaaaaca 360
gtcctaacag tgacctaaag cctat 385

<210> 13025
<211> 336
<212> DNA
<213> Glycine max

<400> 13025

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agtatatcga gacgctcgta attgaaaacg gaagctctaa gcacattcaa acgacattaa 120
ctttgactc aagtgtccga tggagtcctg tactatatacg agatgctcgaa aattgaagtc 180
tgaagctctg agataaatca aatgacaatt actttctact ctgatgtccg aggaaatacc 240
gcactatatc gagacacttg taattgaaga tgaagctttg aggatattct gacgaaatatta 300
cttttactc ggatgtccat tgagtccctgt gctata 336

<210> 13026
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 13026

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ctgttaatt gcaccgttca taaccgtgtc ccaacgttcc cagaataact ttgacgtgga 180
tcgctgaagc tctatgttaa tcgagcgtct catatataca ggctcatccg atccgcgcaa 240
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ccacatcaac acaaagctat tgccccgagt gtatagacct ccgttacccc ccatttatgc 360
aaaaacaggc ctgatcgagc ccggtaatac tttggccaga acaataaaag ccaatatctt 420
aagccatgtc acatc 435

<210> 13027
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13027

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agaaaaacggc acctggttat cgatgacaca ttaacgcgca tcacactcac ggtatcgat 180
gtaacgctt accttaatct atgccaagta atccgagtag aatccctgct tcggcatgac 240
cagtagatag acaccgttta cctaaaccct gtataccctt acgtttattc agcatgaaga 300
acacccat tagtatgtaa gtctgagatt gtacatcaact gagaattgtat tagtcccattc 360
ttgacgcccc tatcatagct tatagagatc taaaatggcc tcggacagct acg 413

<210> 13028
<211> 106
<212> DNA
<213> Glycine max

<400> 13028

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aagggtgatta ttcattactt tagcttgtct tgtgcacaat ctccta 106

<210> 13029
<211> 405
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13029

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acactntctc acaccatatg aagagactaa aagcaaattg atagaaatca attaaagtgt 120
tagcaaaaact gacaagtgc tctttttta ctcataatgaa cttttttcat gggatctcca 180
atcacaaaga ttgggtggcc atcaattgtt tggtttcaag tggcttaagt cccattcccc 240
tcgatgttca taatatcata ttcttcata aaggtttagc aaaagatctg ctgagttct 300

ttctaacttc acataatcta tggaaatngt tccatctttt agcagctact taaccacatt 360
atgtctcagt tgtatatgtc taatttcatc gaatgtttta ttctt 405

<210> 13030
<211> 318
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13030

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atatgtcttg caccatgca tggcctgtnt gttgggtggt tatgcacaac tccttacata 120
gatnntttta ttgcatttc accataaac acagccacat aagatgctcg ctccataagt 180
tcatttcattt cattggatt tgattcaaaa ttctcaacca agtcattcat ctggacctg 240
tatagaaaca atattacaca atacaacata tatcaagata cacatgatta aacataagtt 300
cattaccaac cataatat 318

<210> 13031
<211> 410
<212> DNA
<213> Glycine max

<400> 13031

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tgagccttgt ttccctttcc ttgtttgaa gctcactata agcctaagt gaaaaaccat 120
gatatcacca aatcttaag gaattttgga gctttggaat tgttctggga ataagtgtgg 180
ggggtttttg tttcattgga taacatgttt tggtggctat gcttgatgat gtattttggg 240
ccataacttga tgtacattgt atattggta aatgttggac atgctgaatg agattgtgt 300
tctcacaggc tacagagcaa aagaaaaatc gaaaaagaat aagaacagca ataaagttga 360
gtgaataaga tcttaaatgg caaaagaatg atgagactct tggttctact 410

<210> 13032
<211> 248
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13032

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tctttggacc anacgacatc tgaacanata cagagttatc accanagtaa atatagaaag 180
aaaggaaacc acgacctana gtggtcccct cccttgatt gccaacccaa atcccggtcg 240
tcggtgac 248

<210> 13033
<211> 400
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13033

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cgccggaaat acacttttt tgtagtgagt gtatgtcag gagtggtcca gagagtactt 120
gtttagtcta gaaatggcat agagaatact tgattgtaat caaagaattt attagtgaa 180
cccttcaagg tttgaagaat aattggacgt aactcaagag ttggggtgaa ccagtataaa 240
acctttgtgt tttctttact gcttctatat aactagttat tctctataag ttctacacta 300
ctataaccaa gttntgtgaa ctggtttct aagaacaatg tgatttcaaa tcccttggat 360
gatacccatc gtccatttgag aaaagcnntt taaagtttc 400

<210> 13034
<211> 405
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13034

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cacaccaggt gatgattca cccaaagccac gggaaataac caaaaacatt aatggatttg 180
gttcgaatgc acatataatt tacactagca ttcaaaacaa ctagttcaaa agtcattttg 240
acagagaaaa gaaaaaaaaa ttacactaac aatgcataaa aattaaacca aaaataaagg 300

cttaactact ggttagtccc tggatttang gaccctattt ttnttaannt cctaaattta 360
aaaataattt ttttaccgtg acaattgnrn tctagtcata ataan 405

<210> 13035
<211> 397
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13035

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aacggacga agtggaaagtg gaaatgaaca tagattgctg cccaaggAAC aagttatcct 180
tcctcgctac tgcttcttt gcaaggctta ttttatatta ttttattaatt acccgtaac 240
tacataattt aagttatata gacagctgac tgatagtggc tatcatttgt ctgtatctg 300
aattacagtc tgcaagtgacc gacatatcta aattcagctt acgcatgttt tgaaagaaaa 360
gaagtgcattg tatgaatttg tgttcacttt aatgtga 397

<210> 13036
<211> 425
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13036

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cttgcgtgcgtt gaaggagtct aaagccagat tagaatcatt cctaaggac taaggccttct 120
atctgacttc ttctactcaa tcagcatgaa aaggcattga agggtgccat acttctatct 180
ttcttgact tcgtcttggc cctgtccttt tgggacagcc tctctttca caccttgaac 240
caggactaaa acctatccct tctatataaa tcctactttaa ccgctaaagg aacgtaaagt 300
catttctatt ctaaaaggag aggggttggc aagctacttg aatggacatc tgagatggca 360
tcaaccgagc acaaacagat ctggctgctttaa gaatgaggca atgaacccctc tacataagta 420
tgcct 425

<210> 13037
<211> 353
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13037

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caactcgccaa tatcccagct ggaaatcacg agggcatggt cgtaccaaata ccaatgtact 120
cggaacatca tcttcgtata tcgcgaccac ttgacctca ttccccagac ccgcgccttat 180
aaagctccta cttatgtggc aaggtgggct tcctgtacct tcttgtctca accgcgagct 240
ttgactaccg ttcttccttc acgcgatgct tatctttata tctgcctgag tgggcttata 300
gcctatccca tacttccac gattgcctt ggcatttata aagcttagtta tac 353

<210> 13038
<211> 354
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13038

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atccgtttagt atcaaatatgt tcaaaggattt gaaggggagc ttgagatata attcggcttt 180
gtggtgaaaag aaggaaactt gagattctct ttctttgtga acgacggaag ctggacattn 240
tagttactct ggtcaacgtg cgaagtata atgatacata taattgcaaa ttttctagac 300
ttagaaaaact gtgcgaaaact tataattcat catcttatta tataactttac acat 354

<210> 13039
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13039

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ttacttttat cggttaaaat gaaccttca aaagtctaaa atcaacccta cgcgttaactt 120

tcttgcttc aaagaactac gtaggtctga gttcctcatc gtaattgagg atacgttagga 180
gcaagagcca cactcttgta gacctaaaa attaaaaaaaaaa aaacataaaa aaggaaaaat 240
aaacaatata tgaagtcatg atttgcaca cttgattaaa ggctgtcgac cctttagcc 300
cgctccaaa cctttatcc ttcaaattca tagaccctt ttcggtttt ctaacatccc 360
cctcanataa acgttgggg cgactccgac cgtnccctt cttggaaaga cacaccc 417

<210> 13040
<211> 356
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13040

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ggcatggta ctgactgccat tatttcaat caactccata gttcatcgat gtgtctttag 180
tttgcatttc ccaccagcgaggcatcaag taactgcattc gaatggngtc ataagccatc 240
aatgaagtta ttgagttgaa ttagctcgct gaaccatgg gtgggagtct tctagagtaa 300
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<210> 13041
<211> 392
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13041

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aaactacaat aatctaatta taaactattt ttgtacaca aaataaacc aataaacaat 180
tgatataaaa taaaacactt gggtagaggc aacccctac tattagattt tgatcccaca 240
agcacccatcg gctgtcagat gatgtgttgc atntcattct atcttcgct tactttcat 300
gcttagattt catgcattcc atggtaactt aagtttagat tcataataa atctcttagt 360
tttttctttt cttttcaaa cattggatgt ct 392

<210> 13042
<211> 390
<212> DNA
<213> Glycine max

<400> 13042

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ctaatcaaag gactagtgc aagccaaaccc atgtgcacat tggagctgtt gagcgtatgg 120
ggatgttagg attcaattgt aaggtatgt aactcgagtct cacatgaaa tatgtgattc 180
tagcatggcg tttatacagc ctttgctct cctactacaa tggctagctt ctgtgacata 240
gtttcctaa cgttcttacc acacacattt caagactaat ggtatgagac actggaacac 300
taaagagagg ctaatgccag catccaccac atataatttc tcatttttat atatccaaaa 360
taatggataa tgcaagagca caccaatgct 390

<210> 13043
<211> 411
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13043

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tcgctacttt caaatccaag agatcattaa tggccaaaca ccttaacgtt tctttttttt 180
aatagaattc aaagatcatt taatggtcca acgccttana cgacttttgt tcggtaaaaa 240
tatatcctgc aaaaaaaaaaaa aaaaacaactt aaccaacgct tagtttttat agaactgcgt 300
aagtttgatt tcctcatcac aattgacgga tacgtangag cgagggaaac acccttatcg 360
accacaataa gataaaaaat acaaagggtt aaaaagacat aaaaacgtaa c 411

<210> 13044
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13044

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cccagggcaa cccaaaattg gtgattagaa tatgcatttt tcttaactgg aaacaaagaa 180
tatcccaccc ttttcttaac agatagtaag ttcaccaatg atactttat catacccttc 240
tatcagtatg caccgttgc ttaaccacat acacctccat cttccgtgca attgaacaga 300
attagaacgg ttgctaccag ggaaacatta attgattctc agagggttgc attggcattt 360
tctaagatta atcatccatt tgagaccct tctcaaaata gtattctcta acttgnggct 420
aggaacaata tctatcaggc ct 442

<210> 13045
<211> 51
<212> DNA
<213> Glycine max

<400> 13045

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<210> 13046
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13046

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gtgaacctga atcgaccctg agacccacca ccaaactaac tccctacacc cagattcgaa 120
caatgttag caccgatcaa gactgctgcg caaaacgcac atagtggcaa gaagctacaa 180
ctgcttcaag gtaaatgaca tgcacaaagg ccccccacgtg taggaaagat acacacatga 240
atacctatcc ccacggtagg acccaaccaa tggatggagca gccgaattaa aggactggac 300
gaggtagcca cttcccttag gacaatgacg agcgaagaca tacctaccac tggagttggg 360
caccgagcaa agacaccata caatgaacat gcgtctacac gctgctgcaa caagaaaccc 420

<210> 13047
<211> 411
<212> DNA
<213> Glycine max

0000000000000000

<223> unsure at all n locations
<400> 13047

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caaataaata ataaagtcat ctgcactcaa agaaagtcat ataagtctca tacaattaat 120
atagaaccta tatcctaattg tcacatccta tcagagcgtg gtgtcccggt gcctctagc 180
atgaggctct tcatagtcat ccaccttattc atctgctccc ccgaacacaa gttcaagatc 240
atcacaggat ccaaacacaa caacgcacag ggagttagtt atcacattcc tagttatag 300
agaaacaaga caattaaata tacatattat ataaatgaga taccacttgc taaaacatag 360
ctcacgtaac ttaccactt cgtcattcat aattcacttt tcaattatca a 411

<210> 13048
<211> 450
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13048

tttgacccccc ttcattgana cgcattcatg tangcgacag tgtgcactac tccagcttcg 60
aagagaggtg tacatcaaca tctcgctcag gctatacgct ggcttatcga gcgtacgcta 120
agcgccacac tcattggcta atctcaatga acaatctggt aagaatatga cctgtatatg 180
ttgcactgaa tgctaccggt tcatctcaact aagctgcacc gcttcatcca ttctgcttagc 240
gaaaatagca cacgcttagc ctgaacttac gtatgtgcac ttagcggctc ttaattgcgc 300
ttaacgcaca acgcgaacac tgccttatt taagccttan atcatattt ttatagtagg 360
ttggcggata gctgacactt tgatgtctag tgattctaca gagagaaaatg aanggtctaa 420
ctccagagag tgcgatagat ttagtgagtg 450

<210> 13049
<211> 549
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13049

actgcgcagc acacacagcg gtcgggggtg cagaaggtag agataaaccg cnaactcctn 60

ccgagcgaga gcttgaacct gaaacatctg anaccatgga caccacgcga gccgagagcc 120
ccggaagccg gaagccactt ttgcagctaa gtgaatttat ctacgtccaa gagctgagca 180
cgcaaccaca acccgaacgg cgaaaccggg caccccagga gtcccacaac gagcacccgc 240
gaatcgacg ccgcgtgaca caaccacgag taggaggaga cacgcaaacg actggacgaa 300
ccgctccaca tgaagaacaa acatcggtac atcgctggaa aaaagcagcg ggcaaggcac 360
tagggaaaag gacaccatgc acgcccgg aggaccaca gcgcgccaat aggccagaag 420
gccatcgatc agccgcacca taaaaggaag cacaccgagt ataacgcacc agtcggccgg 480
gaggaccaga ccaaatggc acgctgtaga atgacacgag acaaaacgcg agagaaacca 540
acgcccacg 549

<210> 13050
<211> 504
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13050

acccacagcc cttaattcta caatagtatt caatagacca cgaaacttga cacttgatcn 60
ctcaccggca agccgcccga caccttganc ccctcggtgg acccattcga aatgcaaacc 120
atagaaacnc agctggcttg caaccaacct ctcagagacg atatcggtt tcagactcat 180
tatttcgcc agggatctta gcgggtggaaac caatgagtct aagtccctagg gcttactcac 240
gccccggaaac aagaagggtg tgaatgatga atccttagaa aggctacatt gagtccatac 300
taaagaggat aagctgactc gtacaccgaa gagcgtctat cgataagtct aacgctggtg 360
agactctagc aaagcgaaat ccacttgtgt aagcatcatc aagccaagac tttggtaac 420
ggctagaaag gaacgaagac ccattcatgg agttagataa atcctatcgt aaaaacacac 480
gcttatacgca cacaacaga aacn 504

<210> 13051
<211> 262
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13051

ttgttganag gttgcatata tttgaggctt taggccaaga gtgagtataa gctagccctt 60
atcggttggat ctgtaatctt gtttataggt cttgtgtggt aaaataagag atcttatcaa 120
tgatcttggc tgagaaaagc ttactaaggc acctgttcta gctcttacta acttttctaa 180
aactttttagg ctagaatgtg atgcctctgg agtgggagtt ggagctgctt tggtgcaaag 240
agggccctta ttgcttattt ag 262

<210> 13052
<211> 244
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13052

agcaagtcat gtattacaca agttcgata tcatacgta tatcttatcg tgacttcatt 60
tatttgtcat aaatatcgat acatcttaag aaaatatttt tatagacaga atttccgaca 120
gagaatagta aatgaagtat tacatattat acacaacatg ggatgttgac tggatataacc 180
tatcggtgtga gaatatcata cgcacatcat agagcatatt ctctctatgt tggcntacat 240
ctaa 244

<210> 13053
<211> 363
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13053

tatcttctgt taaaaacaat tgagcatcag ctattattca gcanaatatt agagatgtat 60
gttaacagtg atctattaac tttttaaagt ttacccatg tttgaaagaa tagaaatgct 120
ggacagggtg agctaattcct atccaattnt actatgaatt cagtaactaa naaagatagc 180
atctagatat ctgccaacag cctcataccca tgtaagctga tattttgtt tacagggag 240
gtaggataca gctaaataac aacttataaa atanataagc cgtaagttat ttacatgccc 300
aaataatntc aanaggatt agatagagaa atcacagtgt cccttacttg catttgctta 360
tgg 363

<210> 13054

<211> 381
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13054

tcccttccac cccaactttc cagattntat tgccttngc atctgtaca taggcattgc 60
cttctgcata aactgcaaca tcatactgcga atgatttctc atcacctgca tccaatggaa 120
aattgatatt gtcacaaaag gcccaccagt tgtatgtcta agctaacaca attttgaaag 180
ctataccca tgatatgaag ccacgagaat atangacatg caattaatag aagtactgac 240
gtangtangc catttcctt ttgttattta ttgacatgca tagttcataa ctaatacatt 300
gngaatgtgg gtcacggtgc aattgacaac cattcatatg ttttttctt tcttacatnc 360
ttcttgacaca catgaataac a 381

<210> 13055
<211> 378
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13055

agctctttt aatttcattc tcttgctcggt gtctccaaac caattatctc taaaagtataa 60
caagttatga aatggtacac acaatttagaa aaatatgaaa tttacaattt cagataaaaa 120
aatcagcatt attatccatt tcaaccattt aactaattca ttaacagaag aataatttac 180
cttanaatgc tgaaaaaaag ttcctgtatga tctttggaa ttgctccccaa tgtaagccaa 240
ggctgaccan attgttgcct aatggacaaa gtgacagcct ttgcccac ac cttagatgg 300
tgaaacctan natataaaaa taattcatca naatagtaaa agatcaaatg atgcata 360
tataatgata attatata 378

<210> 13056
<211> 379
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13056

cgtgtgacaa ttcaactgtga cagtcaaagt gccattcact tagcanatca ccaaatgtac 60

catgagagga caaaggcacat atatgtgaaa ctacacttca ttagatatgt gattgaatct 120
gagaaggta aggtggagaa ggtttcaaca gaagaaaaact cagctgatata gttcacaaag 180
tccctctcta gtgtcaagtt caagcactgt ctggacttga taaattntga agatgcctaa 240
agtagattgg tataagtgc a gccctgaagc acaaggtaga cacttggta tttggagtca 300
aggtggagaa ttgtggtgtg tgactcanaa tcacaaatgg cacaaggtag aaggctctaa 360
gaggtgttgt cataacagt 379

<210> 13057
<211> 310
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13057

agcttgtgag atctgaagac ttcttcagac atgtagaact gggaaagact gacaaccaa 60
taggttcaaa cgtgacctca agtgttggtt gatcaactat cacgactaaa cacgttgggt 120
ttgaacgctc cccacactca ccctcgaggc actgagatcc ttatagtcct tgagggtact 180
ctctatgttg gatntgtgac ttccaatcaa gatggaaatc acctcttcaa caaagtgc 240
aacaaaggta atgtgttgtt gttcccaatc ggtctcattt atttctgcat caatgtggga 300
tatggcaatg 310

<210> 13058
<211> 256
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13058

ttttcaaga gatttactct cttggtatcg attaccagag aatgtaatcg attaccagtg 60
gccaaaaatg aattacaaca gctattaaaa tttgaattca aaatttgcac ttgtgtatgg 120
attacacata tatggntatc gattaccagc agttactgaa cattttaatt canatttaaa 180
agcttgaatc gattacacat atactgtatc cgattaccan aggagatcc cagaaaatat 240
tctcaatagt cacatc 256

<210> 13059
<211> 355
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13059

agcttcagat tacantttt gttcatacaa atcagccgat tggtgatcca gaggataatg 60
ttaccacaca ataaaactgta catatatatg acctacagtg atatctgcta ctaatgcaaa 120
aatctaaacc taagattga ataccactga ttatagttag tggcaaaatc cttctcttaa 180
atatttcagc caagaccata acataaacac tgtccaatca ttttagttc cccataacaa 240
aaacacttta ct当地tta tggttgtaac atggataatc agaaattacc ctgcagagct 300
agtgatagtg ct当地cggtg gtacataatt gctatgctat ctatcccacc ttgac 355

<210> 13060
<211> 392
<212> DNA
<213> Glycine max

<400> 13060

tgtgtgtatg cacagttatt tgttaagtga ttcccacaag tcatttgaat ttccaatata 60
gttataaaat gcaattcaat gttgaagcat aaaaaaactg gatattaata actacaataa 120
tgtgaaaac aaccaaatta gcgaagctaa aaggctaaat attaaaaag ctaatgatcg 180
ctcaacatgt aaattaacaa accatcattt taaaacccag agaatacataa ttaaaattca 240
atcactattt gtgtcgcccc aattcttat gtcttctata acaattccc aaactttgtc 300
atgaggcctc tggtagaatg agaagtcgta tccactattt ttgggtgagt caacaatcca 360
tacatgcatt ctaaatgtta ataggggtct at 392

<210> 13061
<211> 334
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13061

agcttctgtt gttcaatttcc gagcttggttt acatattatg ctcccttaatc ggacatccgt 60
gtganaagtg ataaccaaataat gaatttctcg agagcttctg atgtttaatt tcgagagtg 120

caatatatta taaccctgaa tcggaccaa gtgtaaaaag ctatgaccat tgaatttctg 180
gagtgcgtcc gttgatcaat ttgcgcgtc tctatatgtg agtacctga atcagacatc 240
cgagttaaaa gctatgacca tttaaatttc tcaagagctt gcgtagttca atttctagcg 300
gctcgatatg cgatgtgtat gaattggaga ttcg 334

<210> 13062
<211> 336
<212> DNA
<213> Glycine max

<400> 13062
gtgcctgtat atcgatgcgc ctgaagtcga catccgagtg aagaggatg accatttcaa 60
tttctcgaga gcttcctatg tttaatttgt agcgtctcga tatattatac gcctgaatcg 120
aacctcagtg tgaaaagtta tgaccatttg aatttcttta gagcatccgc tggcattga 180
tcagcgctc tatatgtat gcacctaat cggacctccg cgtaaaaagc tatgaccatt 240
tgaatttctc gagagcttgc gttgttaat ttgcgcgtc tcgacatatt atgcgcccgaa 300
atcgacatc catggagaa gctatgacca ttggaa 336

<210> 13063
<211> 418
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13063

agttcaaca ttcaatttct agcgtctaga tatattacag gactcaatca aacatccgag 60
taaaatgtta ctgtcgatata aatttgccta gctctccagg tttaaatttc gagcgtctcg 120
atataatgacg ggactatatac agacatccga gtaaaaaagtt attgtcattt gaatttgctt 180
agagattcaa cattcatctt cgagtgtctc gttatattac gggactcaat tatacattcg 240
agtaaaaaagt tattgtcgatata tgaattntct cagagcttca acaatcaatt tcgagcgtct 300
cgatataatata cgggactcaa tcaggcatcc gagtaaaaaag ttattgtcgatata ttgaattggc 360
tcagagcttc aacattcaat ttgcgcgtc tcgctatatt acgggactat atcagaca 418

<210> 13064

<211> 432
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13064

tgacgcagca tgaggcactt aanactanag cttagcaatt caacgacagt actctntact 60
cgatgtctg antgagttcc gtgatatatc aagacgcttc aaattgaatg ttgaacctat 120
gaaccaattc caacgacaat tactattaa tccgatgtct gaatgagtcc cggtatata 180
tcagacgctc gaaattgaat ggtgagagct taggcanatt caaacgacca taactttta 240
cttcgatgtc taattgaagt ccgtaatata tcgagacgct cgaaaatgaa tggtaacacct 300
atgagccaca tcanacgaca ataactctt actcggatgg ttgaatgagt ccataatata 360
tcgagacgct cgaaattgaa tggtaacacct ctgagccaat tcaacgacca taaactttta 420
ctcggatgtc cg 432

<210> 13065
<211> 387
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13065

agctnttaaa caaaaaagct atttgtcatg gcataatgat tgcaagaaaa gatttttga 60
tggaaattat gatgagaata aaaaattca gtaatgtgga gcaggtgtgg taggacaatg 120
ggggagagga cccaaaagtt tgtaaaataa aaatggatct gagatgtgat ctaaaaagaa 180
aaagactgag aattcaaaat tctcagtgaa gccactaaga aagtacttcg agtttagtag 240
taaaagcaac tttgtttaga gatgtcacat ggaagagtgc gaagacatta ttaaaaacaag 300
aattctgatc atagggtatt gtattgaaag catcgttatta aatagccact tggtttgtaa 360
tgctagctag ctatctaaaa aaaatta 387

<210> 13066
<211> 405
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13066

tattatgtgt tcatgattat aacacacaca cacacatgtt tatgaattgt taaaataatt 60
tatgaattaa tagttcanat aataaaatta aattgaagga aattaatata tcaagattca 120
atgataaata cttccaatgc attnttagtt taattattha ttaattntt gaattgaaaa 180
tagtatagtt caatttaata gatacatgtt ttgtgccatg taaatattaa tattgtgaga 240
tgttcatatg attcatgagg tgtgataaca tgctgtgttggattataac attatgattt 300
agattgagtg tgtgtgataa attgagttatg tggtaatttgaagatacat gtgttataag 360
attntataca cattgagttt gtagttatga actgtacaat cacat 405

<210> 13067
<211> 387
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13067

agcttgtaac tgagtcttag ctatatatca acacagagag aggaaacaca taatgaaaac 60
tagcattgct aagcaatcaa acaagagtat naccctgate atttttaac taaagaaaact 120
tgaggaaagc aaagtattnt atgtgttcag tgcaattttagaaatcaagc tacatcaagc 180
tagaattttt tattgtaaat taatttgcacg tcataaactc gtatgtatac aaaatgaaga 240
attanaaatg ttgggttttc tcttagattt attgantagt atcaagtcgt tagttgtcaa 300
tgtaaatatt acatntatca ataatattat tggtaacaa taaaattaa aattgttaat 360
taaagtaaaa aaatacatat ataaact 387

<210> 13068
<211> 333
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13068

ttacaaacctt aattaactgc atanaaattt actntaagat ccttanataa tacatatcat 60
gagttcatga cgccaatgtt taaatgtatc aattcttattt aatttgagct cgttcaatta 120
tttcatacgt attattaata taatttctaa aataattattt ataaaaattt acgataagta 180
tgattacatg aaagtgtata attaattttt attattgata cctagtctat tttgtcata 240

cttcacttt aaatntgaat tgtacatcta acaatntaat acataatatt gaatcaacag 300

tcaaacaat aattcaacca atttatctc tta 333

<210> 13069

<211> 413

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13069

agcttgcttc acgccccatctc agtatgagga tcccatcgaa accttggta aactcaccca 60

aagcggtatg gttcaacatt gntaccttcc tcgcggaaaat cgccctccat acctatcaaa 120

agggttgtcac cggaagagat agccattcgt cgtgattgaa ggccatgctt taattgtgat 180

gagaagttaa gttgagggca taaatgtccc tccaaaggttct tcctcctcat cgccgataca 240

gatgactaac tagaagggtga tctctttcc gatatgctgg tttcaatgga accgcaacag 300

gctcagataa gcatacatgc cctgtctggcatttggcgc ttgaacctta cgatngtttgc 360

gacgtatcgc ggacttagacc atgggtgattc taattgtatgg aggaaataca cat 413

<210> 13070

<211> 289

<212> DNA

<213> Glycine max

<400> 13070

tgttagctacc tcatgtactc ctctaatgac tatggcatca tttctggcgc taaactgctg 60

ggagttggag gccatcttct caattaaatt tatggcttca gcaggagtca tgtctccaag 120

ggctccacca ctggcagcat ctatcatact tctctccata ttactgagtc cttcataaaaa 180

atattggaga agaagctgtt ctgaaatctg atgggtgggg caactggcac atagttctt 240

aaaatctctc cagtactcat acaggctctc tccactgagt tgtctaata 289

<210> 13071

<211> 408

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13071

atcttattct actangact ttagacaaca tgcatttcat nttttcttt tcgaaatcat 60
acaaattgtt cacattcatg gtagcaacat gcctaaaggg aacccata tcaagatgca 120
aatattgtaa taactctnta aaccccttat gt'tcaacaaa agagaatgga agatcatgct 180
caataatcat catagatatac atctcatgta ccacactntg atcaatntt ttatttctta 240
atctcccagc atgatcaaga ataatatttc caacatcact attagaatgc cttcaaataat 300
acatcacatt tccncatatg acgttgtagg ttgaagtctc attcttattt tcaccgcccc 360
cataatcttt caaacatatt tgcatttact cctcactttt tcatacact 408

<210> 13072
<211> 370
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13072

agtaatccat atgtggattt aaacaagctt cctgtcagtg gtatccaaca cttaatttttang 60
ttatctttc atttgattttt gaagagaacg ccatagatca atgtataccca gaagatcaat 120
ggaaagtaaa tattgtttct tgggttggac gtggatgata ttttgcttgtt ggtttatgtt 180
aacggatgc tatatgagat gaaataattt ctctcaagaa ctgttatttgg aggaatgggt 240
gagacatttta tgtcatngcc ttaagatcat aaaaaagatc taggttttg agtttgctta 300
caggcatatt cacatagttt agagaggtt acatgaagat tgtcacaagt gtactccatt 360
ggaaggattt 370

<210> 13073
<211> 254
<212> DNA
<213> Glycine max

<400> 13073

atctatgact gtacatttga tatcggtgag tgaattacga ctccattcta atcgatgaca 60
tgctgtggtc tatgacgact ttaggcttca tgtatagatt tgctacatga ccttttagggc 120
gcatcgcaac catggcctca aggcgaaggt atctggtctt ttaatcggtc acattggaga 180
tttaatcgat tactatatca acttttagtt ttgagcgaaa acgagtgcca attgaattga 240

ttactatgtt atta

254

<210> 13074
<211> 181
<212> DNA
<213> Glycine max

<400> 13074

cgctgtatta tgccaagact tgtctaatta atgcttctca accagtattg atctcctcat 60
tcactgccca gtctctccat tctttcatta ttttacatga gacatcaagt cgctgatcat 120
gtagataggt atgtactatt ataatattag acggcatcaa cctatgcttgc tataatacaa 180
g 181

<210> 13075
<211> 406
<212> DNA
<213> Glycine max

<400> 13075

tagcttgtt ttcaaaataa tgatttggtt aacatatgct tgctgttaaat tagagtttaga 60
aatcattaaa gaaccagcaa agggaatgct acagacaaga atttacacag aagcataacc 120
ttaagaaaaat aaaatatttt taatgaagtt aacaaaatta caaaatatat cttagtagta 180
tttctaaata tgggtgtca gattaaataa tatttactaa acttttcata aaataatgg 240
caataaaatag caaaggaaaa gcgcagacac gagacttttgc ccaccaatcc ataaacatca 300
cggtattaaa aaaagagact caaatcaagg ggggacgaga acacaccagg ctgtcgaac 360
aggggcgcag agataacttac catgcacaga aacacacagc gacgcc 406

<210> 13076
<211> 359
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13076

tgtggagaga ggcctccagc atgagcaact gcatgcatttatacaatcc atagtttagag 60
gcagaacgag tagagactct gcaaggcagca aggagtagag aggccttgct gacattcaa 120
accatgcccc gagtgttctt ttattcttc ggtatttggc tcaacttgct agtggttga 180

catttattct ttcatcattc ggagaaaaat agaattctga atgattgatt tcagattaa 240
ttatatgata catttgtgtg ttagagacat accactatgt ctaatgctta tgtagtacaa 300
ctagtatact cagaaattaa tatgactaat aacatatcaa ggcccttaac taatgatgc 359

<210> 13077
<211> 372
<212> DNA
<213> Glycine max

<400> 13077

agcttcagcc tcaatttaaa accttgcaaa taaaaatctt atcattttt tttggaaaag 60
gctgagaatg caccgagcaa taacaaagac tgcgttctt gaatgataaa agggattac 120
cttccatatac tgctgaagac acgctccaag tcacggAAC gagtcatcga agacaagtgt 180
ccaacgtcga ggcgggtatt actatattta tcatcatggc gaggcatcgt tgatttcttc 240
cagctctgca aaacaagcaa ctgaatgtt aaattcaatt caagaaaaag gccacacaga 300
aaccccttt tcaatggcat aacgatcatc gatgacatta gcaataacgt gagggaatga 360
tgattgatga ta 372

<210> 13078
<211> 371
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13078

actcagctgt ttccgggtgg gaattaattt tttaagtgac ggagagttt ccgtagatga 60
ataaccacac ttataattat ggatcgatct ttgcgtgagt ctgatgatga gcaattttt 120
tttttgaagg ggatgataag catgttaaaa tatagttggg ttatacatag aaatttgtgt 180
attaataatt aataataaga ttagactctt actaataatt actaatanga ttAAactctt 240
atatttatag gttaaatagt agtttatgt tcataaaactt tccacattgt ataactgtat 300
gtgtactaaa cacattattt caaaccttag cctgatcctt atatattaa atgcttatta 360
actcatacac g 371

<210> 13079

<211> 270
<212> DNA
<213> Glycine max

<400> 13079

tttgcatgct agcttgttgt tatagccatg tttggatgag taaaacatac ccattctgtt 60
ctaagagggtt tgagatgatg tttagtgatgt ttatatgctg aaattgctga tgaaaaactg 120
ttagagaaga aaggtagaac taacctaggg ttataaagtg ataatgtat gctatgagtg 180
gagaaaataa gagaggctgt gatagtttga atgctaagtc tgaattctgt ggtaaatgga 240
tgttaaagtg atgtaatact acctagaaat 270

<210> 13080
<211> 498
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13080

cctcaccgcc tcattatctc atttgtgttc gatagtagcac cttactttat aaccacccaa 60
cctcntccg ctcacaccat tcggcttctg agccttaatg aacatcatac ggcttgaact 120
agctttgtc gggtgcaaaa aatacaatgt ggtccgctag gttttctgc gagccaaccg 180
agtgtgttcg gcgacattgc atgttcccat gcactcagcc atgaaaacat tatcccacaa 240
tcgaagagaa aaaaaaaaaac atataatgac ctgataacttg gatcggaga taatgctggg 300
ttgacgtctg ccattaaaaa agaccgatcg aggtctaaaa ataaaagaat caccagatga 360
cgccgatcga gcattttcta attgacatca tccaaatatt attcagggat aggatagaaa 420
aacagtagct gataccatgc gttatgtaat cccgactgac attttcagc cgacagtgca 480
caagatgtct ttacaacg 498

<210> 13081
<211> 418
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13081

agcttcaagt ttngnttcct aagcttggaa ttgcatttgg gcaccttatt tgaatctcct 60

atgctgtacc tacatataag aaacagtccc actctccaa ttntacgaaa tcatattcat 120
acatcattgg ggcatttcac cgagcacttg gtgagcgcat gtttgaacat aaattgcaag 180
aggatgggaa caatgtggta tgccccattg cttcagaata cagcataagc ctaaggcctt 240
cttattcana tcctcaactc aagaaaacaa gcacaaaaac aaacaaaaac tgccccacan 300
atataagcac attctcacaa ttnnggagcac caaaagatga agaaaatata ccaatggaa 360
gctaaaaaca tcaagaattg aataacttact ttgtggagtg aataataaca ccaaaaat 418

<210> 13082
<211> 407
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13082

nntgaaagtg attcctgcgg atgtatgtga acttgganat ggttgataca agttntaana 60
tattttccta agccctggtg attaggttga gtcatnctca agtngactt ttgtttcatt 120
ccaatgaaaa tggtagaaag tacatatcat tacataacct aacttagtagt aacttgggtt 180
ctcaactctca cgtnnnncc ttcatcat ttgaatttcg aaaattactc ccatactaaa 240
ttganggcgt gccctagcac tacaagaaaa tttgtgctt gtgatttagtt ggtcatgcc 300
ttcaaattccg atagggcgat aggggtactc ttaatttgag tatntatgta attataatca 360
tacttaatgc ataattaaat tataangtaa tatcataatt ataatcn 407

<210> 13083
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13083

agcttgatat atcttangca actgctagag atgttgat tgcattcaaga ctacacacgt 60
gagcctactt agaggttaagg gattagtttgcgtattgg gtttagatgtg aacatgtgt 120
ggaatcctta gaggatcana ttgnngttaa ttttgggtt caattgatgc cttgatacga 180
attggatgggt ttaattaagt gttggctct gaatgttaga aacctagaaa attangaatt 240
cttgattctt gcatgttttc ttgaaattga ttaaagggtt tgccat gatgtgatca 300

catgttctat atatatatat atatatatat atatataatg gatgagaagt gataatgtgt 360
 tagtgagaag gtgttatgtat acatgtcttg tgaacaggtg tggactata cagttctcga 420
 t 421

<210> 13084
 <211> 413
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13084

agtgacacta tgatactcag cttctattct atntaganat tcatgaaggt gttataatgt 60
 ctganatcta tggattaag atggtcattg accaatccct attntatgtat ttaacaaaat 120
 tgcctagtga aggtgtacct tttgagggtg cactgattga tgaatggaaa ttgcatttct 180
 ctgtgcattga tgcccgccgg ttggttgca ccaaccaagc ggatatgacc ggaaggcttc 240
 ttgccggttc attggctttt gaaatccgca tcctccattt ccttatagtt cacatattgc 300
 ttccctagatc ttcaaaccctt gcccaggttt ctgaagaaga tctcattgtc atgtggcct 360
 ttcataaagg tttacanatt gattngcac atcttgttag atatcgcatg cat 413

<210> 13085
 <211> 425
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13085

agttctcgt gatcttgtt catggcata ttgagacatg tgtgtggtcc accccattgt 60
 gtgactctcc atgaatcagt ttttttagat aaaattgccc tcatatagaa taggcaagga 120
 cattgcgtt ttattcaagc aacaaacaac atacctgttc gatttgcttt caacaacttt 180
 gaaagttga tgcaccttca taacatatta ttttagtgca ttttttaccg catcttggt 240
 atcaaaatcc atgccaacat ataattcttg tccaacattt aaactcgatg gcatctccaa 300
 accacaaaatg tcttcctcat caagatgact ccagttgata ttgttataat gcanagcatc 360
 attccaaaat ggattntcaa ttccttgtac acctaataatg taaaaaaaaatt caaatcatac 420
 ttatt 425

<210> 13086
<211> 369
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13086

agagacgtgg cgtttaacga gaaaggcatg aaggattggt ctcanagtc tcaataggag 60
tcgatggtga tcgctgacaa ccatgaagaa nattatgaaa ggctactaga tccaacacct 120
gatgagccat aatcatccag gaggccatag aggaatcctc aactctcagc tagattgcaa 180
gattatgtca tgtttaatga caaagataca tctaattgaag agattatcaa ttttacttta 240
tttgcagact gtgatccagt tattttgaa gaagcctcaa gtgacgagaa ttggagaaaag 300
gcaatggatg atgagattcg tgctatttag aagaatgaca catgtgagtt ggtggacttg 360
acaacaaac 369

<210> 13087
<211> 393
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13087

agttctata taaggttcgt tcctaatttc tctacaattt catcacctct caatgagcta 60
gtgaagaaga atgtggcatt taactgggt gaaaaacaag agcaagcctt tgctttgctt 120
atagaagagc ttactaaggc acctgttcta gctttccta actttctaa aactttttag 180
ctagaatgtg atgcctctgg agtgggagtt ggagctgttt tgttgcaagg tggcaccct 240
attgcttatt ttagtgaaaa acttcatggt gcgaccctta actaccccac ctatgataaa 300
gagctttatg ccttaataag agcactccga acttgggaac attaccttgt ntccaaggga 360
attgtcattc atagtgtca acaatcaactt aag 393

<210> 13088
<211> 235
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13088

tgaatcgac ctcagtgtan aaagttatga ccatttgaat ntctcggag cttccgttgt 60
tcaatttcga gcgtctgtat atgtgatacg cctgaatcg acatccgtgt ganaagttat 120
gaccatntga atntctcgaa agcttccttg gttcaattcc gagcatctcg acatattgtg 180
tgcccgaatc tgaccttcgt gtgaaaagtt atgaccattt gaatttctcg agagc 235

<210> 13089
<211> 411
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13089

agcttatgat ctgtatatta tgtctaagta taagccgagt ttttgacctc tacggcac 60
aagccctcca agctctaagt tcagttatgaa cgaaagtgtat taagatattt gtaatataag 120
tttatttctt gtacgataca caaatataag cacacaaaaa gtaacatttt ttaggggttt 180
acactattaa ctatngggtc aaatgcattgc ttggctttctt acttcaaact aatttacctt 240
ttttttcctt tcttgggttgc tccagctgtatggctctaa aaaaatgaaa gtaataaaaa 300
ataatttataaaattttggaaaatntaaaataaaaaataat tctttaaaat tganaacaaa 360
aaataaaaaat agactttttt tcttaaattt aacaaatcgat ttaatcacta c 411

<210> 13090
<211> 313
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13090

attttgcatt gatcattact gagctatatg gtggatccat tatcataacta tattataattt 60
tcgcccagct tgatgtggg gattaaaccc atttgagcat taaaataact gacacttaat 120
gagggtccat acctttcctt tntaccatat tgcattgatc attattgacg tataatgttag 180
acacgtacat tatcataata taagtataat caagaaaaac catagacatc atgtattgg 240
atacctcatg atcaaatttta aattgaactt acactagttt atgattggaa aatgtactgg 300
aattgggtga att 313

<210> 13091
 <211> 380
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13091

agcttgttaac tcgttaatcc atcaaaacat tntttattca tatatgctcg tccaaacttcc 60
 tgatacactn tcaatagaat atgcaagccg ttgttattgcg atatttgang ttttcatagc 120
 acaggagttt ttatattcaa atcaatctaa catanaaata agaaaatcatt ataaaaaaact 180
 gagaattgaa ctacattgat tttttgttat tttttggat gatctttctc ttacattaat 240
 cattnggnt taatttatta tttatgttt tgaaattgaa ccaaaccgta atattgttat 300
 taacaactcg attattttaa tattctatgc atatatcatt tgaaatttta aatatttgta 360
 gtgttgtgta tacaatataa 380

<210> 13092
 <211> 268
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13092

cgcgtagttaa taaattaaag agaaacatta tctnccttac acgacggctt ttgccgacta 60
 agctcagtca acagaaccct ttctctctt ctctttctct ctctctctt ctctttctc 120
 tgagggccaa gagtctgcca ttgacgggt ggaaggaaga attttcatt ttttccccct 180
 ttgacggatt agtttctttt ttcttagaaa aatatttattt atataatcaa aaataataga 240
 atatttaata tatgtatatt agttcatg 268

<210> 13093
 <211> 403
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13093

agttggcca tatgaaggat attctttgc atgctgagtt agtgcttgaa attgcaactg 60
 atcgcagaga ggtatgaaggg ccacaacttc taatttatcg gtttcttggt gatgatctg 120

acagtatggc gagtgatgct atgtggactg atgctaattgg cgttgttgtg ggttgtgagg 180
attctaaaca gagaaggag ctaaagggtt ttcccttga ttgtgttata gaatatctag 240
aatcaaattt ctgcataat tttactctg gatccaaggc atggacaaag ctgccttat 300
gcatganagc tgagatgtt gctcaagagg tgaagaggaa gatcaatgag tggttatcta 360
tggttggat ggtacctgat gaaattatacg aatggaaat gag 403

<210> 13094
<211> 275
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13094

agatatgtta ctccgcaacc aaatttatgt attatatcg acagggAAC cagtttgcta 60
gcagctttac aatccgaacg tggtgggtgg aatgaaccag atgttcgtc tgtgtattgc 120
atccccaca ttgcatcaaa tttcaacaaa cagttaaaa atggtgactt aaaaaaaca 180
gtaatcaata tgggtatgtt tcttcattt tcattgtca tattctggct ttattacatg 240
tntactaata gtaccgttgg atagagaat ttaat 275

<210> 13095
<211> 705
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13095

cgtgcacac tcacaactcg cacaattcgc cgacagtgc acgtcatngc cgttctcnta 60
acctcctaga gagagagatt gagactttag gcctctggaa accctagcac agacacggcg 120
tacccgttgg aacctccatag acgatcagcg agcaagacat taacgaggtg actggcttat 180
atagagcatg actgaagcac aaccacattt cggaccatac atgcaccgcc atctggcc 240
agacggacac cactcacaaa aagacatgca agaccctaga tcttagctgat ctggccaca 300
caactcgcac gaccctgtcg tagatggagc taatccgtgc aacagaccag taaagtatgc 360
tagctaccga cgaggaacgc taatgaccgt gtacgcgcac atctagacag ggcgcgtcct 420
cgttagggaaac aagacagatc cgcgcctcg acgattatca agcggctgtg ctgcacaaa 480

cgtacactag cgacgtgtat tgcacgcnt ggacatcaac ctacgacatc ggactatctc 540
tctctctaca gaggattgac actcacacac acagctaatt gcggtgctca agtgagctt 600
accacacatg cgtgcgtaac atagttagct atgtcaaacc cacgacagct tcacaccgat 660
atanagcgac agacactatg accacaccgc gccacgtgac gtccg 705

<210> 13096
<211> 314
<212> DNA
<213> Glycine max

<400> 13096
tttgaatgaa gccttgaca tatctcctag attgcaatct taagatataa ggatgagatc 60
tacgactcaa tgtcagtcag ataatttaaa gatTTTGG aataatgtt atatcaagat 120
aatgatgaaa ttgaaactca atgtgtgtaa agataaaatt gtatctttg gcgtattatt 180
aatctttga atatttatac aagagggtgg accttgacat aaatgcgaag agtgactctg 240
gtcatttact attagtagac taatcacata ttgactctaa cctatatgac ttattggcga 300
tgacctttga actg 314

<210> 13097
<211> 398
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13097
tagcttgta ctctggcaa tttcttaaa actagtcact taaaaagttg tgactttga 60
aagaatcttc agaaacaagt cacttgaaga attgtgactt ttggaaatgt attttcgaa 120
atcagttact ggtaatcgat taccattaag gtgtatcga ttacacatca acatatgtga 180
ctcttcattn tgaattntgc aaattaaaac gtttagaagc tctggtaatc gattacaagt 240
attgtgtaat cgattacata agttgaaat actttaaaat tgttaaata taagttttaa 300
ctcttggaaat ttgaaatctt aacattctaa aacactggta attgattact accttctgg 360
actcgattac cagagagaaa aactctntgg taatgatt 398

<210> 13098
<211> 382

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13098

tgaagaggat gctntaatgg agggaaagat agagagaagg ggggagcacg aaattgaatg 60
aataaaagag ggagagaagt ggaactttga agtgtgtctc ataagactnt cattcatcan 120
agttacaaca agtgttacac atgtttctat ttatagacta ggtgcctcc ttgagaagct 180
ttcttgagaa aacttccttg agaagcttct ttgagaatac ttccttgaga agctagagct 240
tagctacaca caccctcta ataactaagc tcacccctt gaggagctc cttgaaaaga 300
tcctaaagaa gctagagctt atctacacac acctctctaa tagctaagct acaccccatg 360
acaaaataca tgaaaataca aa 382

<210> 13099
<211> 318
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13099

agcttttttc tggataaact ccacgggtgt agagaatgct gatcaaattc ccatattaaa 60
atacttataa atatcacaac ttttccagcc acatgcataa ttgcaatgca aaaaataaga 120
cccataataa attaaaaaaaaaaa taaaaaatgc aggacacaag gatcaaacct gttggcagca 180
tatcctgatt tgaanaaaatc accaaataaa aacanaaaatc aggcanaaatg tcacaaaaaaaa 240
atacacaggt atgaaaaaaaaaaa tggatagaaat cgaggaaag cgagataaga gaagagggat 300
aggaataccg aagaactc 318

<210> 13100
<211> 379
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13100

tactgaagtt atcaccattt agatgaaaca tctcatgana tatatnaatt ctgggggtg 60
aaaaaacgga gcaatagaag agttacatgt ggataacaag cagagtaaag actcacgcta 120

caccatgaat gggaaactaa gtttaaaata tattttgtt ctcacttgt agcattntct 180
tttattgttn tgtaagcaaa aagaatcaaa caatgaaaat ctattccaca acatatccca 240
gcatgctggt gcctgatgca gcacgaaatg tgaggcaaca aattcaagaa ttacatggca 300
nagctagaag tcagtaactg atgccccnac aacattatga atgccccat tcatgttagca 360
tttgaagcta atgtttcat 379

<210> 13101
<211> 406
<212> DNA
<213> Glycine max

<400> 13101
agttcattg ctaaggaca ttccctgaaat agttgttttgc cattatcaac aatagctcca 60
caatgataac aaatagagggc aaaagaaaaaa ataaacccta cattcaaatt atcatccgta 120
gatgaacaat catgaatcca tctccaaaac aaaaaggatt ttgatggcga gattccttt 180
ttacgtaaga tcttatgcca agataatgtat tgcaagttag tttggaagaa agataaacact 240
cctttaaaag tcatgtttcc taaatttgag gggatccaca tggtttatac tatgatctcc 300
tctaaaggaa taataaaaaaa tctaattgtct tccgctagct aggaaaagat agtgcgaact 360
cttgaggaa gcacccacat ttattcctat ttaagccctt caccat 406

<210> 13102
<211> 332
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13102
atgaacagga ctgctactgt gtaagaagtg tgccgggttggagcataacc cagatgaatc 60
cctttgaan agcggtcgat gaccacaaga atgggtgtat agccacgaaa tgcggtaat 120
ccagttatga agtcgagaga caagtcctcc catggccgac aggaaactgg taccgagcat 180
aatagacatg tggccttctt agttcataat ttcgtgtgtt gacagtgcac acatgaagca 240
tattcagtgt gtcatcgag gtggtaata atagttgtc agaactgagc atattctaaa 300
tcttgagcca actggccctt taattcctcc ag 332

<210> 13103
<211> 381
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13103

aactgagggg ctagctgggc atttgtctgc tagaggaatt atagcagcta ctgctatctg 60
aacgtgctca aacgtctcac ttaacattaa tagcacgttc actactgagc caaaaacaat 120
tcgaccgttg cttcacacgt ccctctacat tcctcaatca aacttatatt ntcggtaa 180
tctcaatttc agcataacccc aacagctctc agagattac gaaatcatcc caaacgctct 240
gcttctccat ggctacctca cccaaagaaa cttcagctcc ttgttccatcc tctgtaccat 300
catctccatc atccaccana gcaccatcaa accaggaacg acctgaattc aatatccagc 360
ccatacagat gattcctggc 381

<210> 13104
<211> 432
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13104

tatgcatgtg aattatgacg catcatcaag attcaagcca aggctattgt gcaagcaatc 60
aatggggcaa aacacaccaa atgattatga tggatggatgg ctcattttt cacaaggta 120
aactcatcac ttccaaattt agctntcaaa actatcatga catgttagaga agaatcaagg 180
atttcaagtc aaaaaatgtc aagaactgtt atttcaaaa caattacccca ttcttgaac 240
atatcctata attcaaagaa gaacatgcaa attcgtacgt gcacacaaca ttgacccaaa 300
atattaaact gaatatccga cgaaaactaac aacattaaca aattaacaca actaacaat 360
taacaaaacc aacattacta gcataaccaa agaacacttc cccccataact taaacaacac 420
attgtccttc at 432

<210> 13105
<211> 567
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 13105

cggatgatcg cttagtctt cnggtatccg tgcacancca ngcanaagcn cctncactct 60
caagggacgt tcataatatgt gctatatant tcaggtanat gntntatgtt cgctatgngc 120
cacaacagaa ctgaggcgta tgtctaaggt ggtaattcag acacctatgt gaactcattc 180
accaatgcta tatcatacac atgggttg gtctcgacac tcatactatc taagaggatg 240
tattcccgta cgttataacct caaagaagcc tacaatgggt gagcaaacat agacatata 300
cgctcacgtc gaccggactg aggaaagaca acatatgttc tcataacgat ttaataaaac 360
cggactggaa cacatccagg gcatacacag aataacgtcg atctgacgta gaagataaac 420
aactgaggca attagcaacc tgattattag agatctgtac aggagcattg ctagcagaca 480
ttcgttagtta aaactcaccc gcgtgcaggg tgtctaacga gcaggtcata tatctatgaa 540
tacactggtn tggcgagttc gctcccg 567

<210> 13106
<211> 256
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13106

atcatcgaga tcttcatgt anacaataga aactagtaat ctttgacttg attcgatcct 60
cgataatgca atgcataaca tgccatggct aaagacagga tttggcagat aaagttacac 120
catacaaggt gagacgcctt gatacttgtt aatagacatt gcatgagata acatgattgg 180
agatagtctt ctcaaaagat taagaggcca cggtgattga gaacgcaaca ttgacattct 240
tgggatgtaa acatta 256

<210> 13107
<211> 402
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13107

gcttcctcgg agccatttcc tgcgagaaca aacatntaca agttatgttt actaggttt 60
gcataatctga acgcacaana agtcatgcta atccctctga tnttagaacg aactcacgta 120

atctatgtat gcacacgcgt atgtgtggaa ttttatataa catagaggcc 180
atccaacaga ttcttaattgt catacatata tatgcattag aaaagaacac acattctcac 240
gctcaaagca ttgcgtcaaa gttcacactt aattatatcc taaacattta ctattacaga 300
ctacctacac atatctgaaa tatatatcat acaaaatcta ttggttctct ctcatttata 360
tatatgcata ttggaaagct attacattct gccacactgg ca 402

<210> 13108
<211> 402
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13108

tgtccgcaca agaaanaata ctaaaaggga tttgggtca atacctcagt ctgtcttacc 60
aaggaaaaatg gatcattttt aaggtccaac gccttaaat gactcacctt gcaagtaaaa 120
agaatcgctt gattcacccct taagaaagaa ctacgttagt ctgatttcct cttcgatgga 180
gggtatgtac gagcaagagc cccgcttttgcgacctcaa aataaaaaag aaataaaaagt 240
ttaggtacac aatttcacac aattctaaga taaggctgtt gttcttggg acaaacgtga 300
gaggtgctt tacctttctc aaatgtacat acgactcctg aatctggaat attcttcatg 360
accgantctc ttccgtctt tcgacatttt ccacaaataa ac 402

<210> 13109
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13109

tgaaaggcta gctatgtcat gcgaatatcc ttgtcaaaga agtggagttg aagaaagagt 60
atattagaat atagagagaaa aagtgtgtaa taagatgggt gatgtgatag agaaagataa 120
gatagaacaa tacgtactat agaaaattgt tgtacaaatc atgtaactcc acaggaaatg 180
ataatgtaaa attgagaaaag ataacagtga agaagtataa catgaagagg aatgattcac 240
aaactaactt ttactctaaa catntcatttgcatttca ttgttctctg tctctctgtt 300
tctattacta gtgtgtctag ataacaagtg agagaattga ttctaatcca taagatcatg 360

gtgacaccat gaataagctg aagctagtat gtgttgcctc tctcttaaca tga

413

<210> 13110
<211> 550
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13110

cgctgcccattgccttatcg attgggtcgaa ccttaganta ctcaagcttc tgtacaacca 60
ttctcatgtatgcatac anagtccagc cgactctggc cagtgtagat tgtnctgcaa 120
tgaccaagag ggatgatgtt gtattctgtg actgctctaa tacattgcgc tttgtcatct 180
aaagtcatgc caacccac tataccgact ggtggttata cattgtgtta ctgatgaacg 240
aaatgggtgc gatcaatgaa gtgcggtacg tggtcacatg acaagtctac tggacaccta 300
tggtgccgat attgccacgg cgaggatgga ggttagcattt gctaccaaca ccctcgatcat 360
acggatggtc aatcgaaaatgg ctgactgtatg tgatccaaga acctgtgatc cttcataactg 420
actgacatca tccatcgattt tatcatgaca tcgactttagt tgatctntga tagcactgcg 480
atgtccatct tcgaaaatgg acacgtatgg gaacnttagag aacgtggcct atagggatg 540
agagtagctn 550

<210> 13111
<211> 446
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13111

tggaaattct gatgcctat acttcaacaa catctcataa ggatgaatga ctcgggcata 60
ctttaagctt atgcacggaa aatgtatcataa tggaaattttagt atgcccgaag aaacaccatt 120
tccttagttaa ccatgcatta ngtaccatgt tcaatttattt tgaaaaatgg tgatacgggt 180
ttatgtcccc aacatggttg gtccttaaca catgaaacta agaatgtatg gtgaaagttc 240
acgctcccc cttctttgtt tntagttgtt agaggataac gcaaggatga gcaaacatga 300
aaacaaatgg tatgtatcataa tgcagatcan aaagttgtt gaacgcataat gcatgtatgt 360
gccatgactc atgcaaaatg tgaggctgga tatgataacg gacanatgca cgatatgtcc 420

attatgatag tatgaagaga tgctta

<210> 13112
<211> 490
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13112

acactatcaa actcagcttc ataaagtntc cacttctccg tgttaccggc anagatatta 60
atntagttag cggttaacca cattatgcaa ttctaagtgt atttttgggg aaaaaatgtt 120
cttctttaa attaatatt attccaaaaa taaattcaat taaacacata taaaatataa 180
attctcatac acgagtgaga aataacattc atgttcttgt tcccctttt atctatattg 240
cgtaactatg acttagccgc acatgcaaca gataaggaag agcaacgtca tgccttcact 300
tttcaataat gcttgatat agaaggaata aaaaagttag aaatattcct gttttggagg 360
ggtgaggat tcacctgtga taggaatan gacacagaac aataaataag aaatataatg 420
aattttgtat tattttatta aagagaaata ttataaaatt atatttgtaa attatttggt 480
tcggataaaa 490

<210> 13113
<211> 398
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13113

tctcaaagg catggttatt tctagtncc taacaatatc taagaatctc accaaatatc 60
tgttcttc cttcttgat ggtaccacaa gatatggtac ttccgcacct tcattcacag 120
cttttctct cttttctct ctagctgtt cacttctact cctctttca ctcttattat 180
tatcatctt ttcatttctt atcattacat aatactttat cttggccatt taatatctt 240
ttcttgacca ttattcgctc ttctttgcc taatttcctt aaccttcac atcatttc 300
ttatcatcaa tacctctatt ttcagcatct atcttcttg gcacgacaac actgacactca 360
tcctccgcct ccacaaacct ttaacttctt gtcttcac 398

<210> 13114

<211> 293
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13114

ntgagccaat tcanacgaca ataacttnt actcagatgt tttatatatt ctcgtat 60
aacgagacgc tcgaaattga atgtagaagc tctgagctaa ttcaaacgac aataacattt 120
tactcgatg gctgattgac tcctgtcata tatcgagacg ctcgagattg aatgctgtag 180
ctctgatcgc attcagacga cgataactgg ttacacggat gtgtgattga gtcccgat 240
atatcgaaac gctcgagatt gaatgtgtga tctctgagcc aatccgcacg act 293

<210> 13115
<211> 215
<212> DNA
<213> Glycine max

<400> 13115

ctcggatgtc cgagtccgga gcataatata tcgatttgcg tcgttagat catcgaaagc 60
tctagagaga ttcagatggt cataacttgc cacatggatg tctgaataag acgcgcaata 120
tatcatgatg ttcgaacttg aacaacggaa gctctccagc aatactgata gtcataactt 180
tatcctcgga gggacgattc atgcgcagaa tata 215

<210> 13116
<211> 349
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13116

ntctactatg ttgtcacata agtctgcaat gcaatcagat ntgaaaatat tatgaanagt 60
aatagtaga tcgagtgaat ctanactgt ataaactagc tgattgccta gaaaactaca 120
acaaagaaaag caaatatata atcctggcag gtcatgaaaa cttgatcttgc caacaaattt 180
gagaaaaagt aaatagctat aatcatttga tgaaggacta gaaaatttaa cttgctttag 240
aatcatgaca cattaacttg ctggaaaatc atgacacatt aacttgctnt ttagacacac 300
atcttggttt gcagtgcaat ataatcaaga gcctaattat aaataattc 349

<210> 13117
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13117

cgcttgaa gcttctatgg aggctggatc tttgagcttc aatgagggttc ttcaatggcg 60
attnccacc atggagatgc agcggaaaggc aaaggagaag atgagaggggg aggcaccatc 120
cactaggaa taagccatgg aagaaggagc ttctccacca agaatgtgcc ttggataaga 180
agcttgaaga ggatgctcta atggaggaaa aaaaagagag aaggggggag cacggattg 240
aaggaattaa agatggagag aagtggaaact ttgaagtgtg tctcataaga ct当地cattca 300
tgaatattac aacaacgtgt acacatgctt ctatata tag acttaggtac ttcccttgaga 360
agctttcttg agaaaacttc cttgagaagc ttctatgaga caacccctt gggaaagctag 420
agcttaact 429

60
120
180
240
300
360
420
429

<210> 13118
<211> 387
<212> DNA
<213> Glycine max

<400> 13118

acagtccaca agcaccattc tcttcagtag agaactaacc aagtatgttt gcacgattat 60
caaaagagag agtggagaag cttcaatta ccgacttgga gtctggtaat ggcaggcctc 120
caactccccga ggagagagat tccaaattgg agccattgtt gtctaaagat cattgaagtc 180
tactttgtat cataaggtaa aaagtgtatt tagccattct ttcagaaaaa ataaaatgaa 240
taggttaaca gtaaacccggg tgtaatcaag ccaacgttaa acaatagctt gtgtatattt 300
gattggccgg ttgctgtaaa attaaatgaa ct当地taagaa tggtttatta atgaaatctc 360
ctggctgctg gtatccctaa tacaaca 387

60
120
180
240
300
360
387

<210> 13119
<211> 85
<212> DNA
<213> Glycine max

<400> 13119

tccattatgt attttagttaa ttagtaatat atctgtttat ggttacgcta tcttaaacat 60
ttccatggat taatgtatgaa atatg 85

<210> 13120
<211> 228
<212> DNA
<213> Glycine max

<400> 13120
gactcatcac gtcataat aaccttggcg tggatccaag tgccgcgatc atccatgtgc 60
atactcatgt ctgggtggca tactcaccga tgcttatttc tctatgaaaat tcatacataac 120
taagaaaaaca ccaaggcgcc cctataacag tcgctcccta acaatggcta atgaagatgg 180
cgtgtgtgaa caaatcaaag ccaatctatc ggtcttaaaa catcaaat 228

<210> 13121
<211> 445
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13121

ntgagccaca atcctgactc accatanacc ttgacgccag gtgagaatgt caatccttac 60
cctcgaagc aaaaaagaat agagggaaa tttccatca aagaataaga gaatgagaat 120
ttccatgaa agcaaaaaaa gaaaagaagg aaaattcccc aatcaaagag tgggagaaaag 180
cacaaaaaga taagatagga aattcccaat caaagaatgg gagaaagcaa aaagaaaaga 240
tagataattc ccaatcaaag aatggagaa agaaacaaag agaacagaag gaaagaaaagc 300
tcctgatcaa ggatcgaaag aaaacagaag atatgtgcag agaggtctt ggaccggacg 360
atatctgaac aatacagaat tgtcaccaaa tgaacaaaga aggaaggaaa ggaaaccacg 420
acctaaaatg gtcttctccc tttga 445

<210> 13122
<211> 400
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13122

tcaggttgc cattccagat ngctgcanag aaggacagag atctgtattg tgatctattc 60
aagaacatag accacagact cttgcaacag gttagatct cttattcatg gcaagctgag 120
ttacttagttt gaccaaggca tcaagtttc cctcaaggct tttatttca atagatgaag 180
atgaattctt ggccacacta tggactcctc taaggacaat agcatcattt cttgcactga 240
atagttggga gttggaagcc atttctcaa tcaaattcct agcctcagca agagtcatat 300
caccaagagc tccatcactg gcagcatcaa tcatactcct ctccatgttg ctaagtcct 360
catagaaaata ttgaagaatg agttgctcag aaatctggtg 400

<210> 13123
<211> 369
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13123

ntacttaat atgttccana tcattaagaa tcttggagat atcatccaat tgttcagagg 60
ctgctttga ctctgctatc ttgaagggtgc agttgttgc tcaagcatag ccgatttgca 120
aaggactttg tcatatacaa tgagtccagt ttcaaccaca ttgaggcttc tgtctttct 180
cttgcactt ctcttaaaggc tctatctcca acgcatataa tgattgcact tctggctcta 240
tcaatcatct ttgattgctc ctttgagctt agagatatac acatctattc ttctccttta 300
agagcttctg cacagtcatg ttgaatcaag attgcttaca tcttgattct ccataacctg 360
aagtcattt 369

<210> 13124
<211> 380
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13124

cgtaccccag tcatccataa acctatntgg aacatttagac attgtcatac tcctaattc 60
gccggagatt attatntgat gatatacaac ctttgattgg ccgcttcaag atacttggca 120
ccctttgttg cacaatatgt gaagtcccgaa gatgtgccga aaatcanaag gaagcaggct 180
tacgcgatcc gtgaaaatat cgtaatgtga cagaaatcca aaggaagtgt ttttcgcaat 240

ccgtgagtt tcgtaacttc ttgcggaaagct aaacaagagt aaatacataa tccgtaaaga 300
ttcgtaacct tgccggaaaga aaataagtat cggtaactaaa ttgcgtaaagn ttgcgtaacgt 360
380
tacggaaaaa gaattacaaa

<210> 13125
<211> 385
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13125

ntaagagata ccattaanac taaaatgtt cctaaacaat tatcaattgt tgaagcttcg 60
ccgaggtgtcc tcattgaata acctttattc aaacctttca aagtttgtga taatgctaaa 120
cgaacaatta tggaacttag agaaactaaa tccttaattg aaggcgatcg tgacaatcat 180
agcgaattac taaaacaagat tagtagtttgc ttaaagtca ttccagatac tccccaaagct 240
tcggaaaata ctgcacaaaat ggtcacaaaa agtacctccg aattaattaa tggattttat 300
gaagatagtgc accaaaaactt agattacacg actgatatacg gatcagtgtc ataaaagact 360
ataaaatccat ttaactccta acact 385

<210> 13126
<211> 96
<212> DNA
<213> Glycine max

<400> 13126

caatggctca tacctcacat aggtcatcaa ccattccttc ttatcttcaa tacggtgctc 60
acctatcaag cgcgagcagt tataccgact cgca 96

<210> 13127
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13127

tctagtcgtc catagacctc ctcataggta ctgttcagca nacgttgtat ctgtgcattc 60
atcgcatcca gtaacagacg ttgaacgccg tcctactgtat gataactcgat accaccacca 120

cctgctccag ccataattca acaggaaaaaa aaatgtgcaa taaaaattat taaggttca 180
agacctcaca acactctact cacgttta actcttagat ggttagtacac ttgtgtttaa 240
tgctctcaat aagctttgt gtaatgtatt ccctcttgcc ttttaccact cgtgttcct 300
cttaagttcc tggatggacc aaatttagaca cacaaggtaa tataaaataa aaggaaagac 360
aatataatga tcacaaacag atttgatttg ngataacaac ttggacttng atttgataat 420
428
aatatatt

<210> 13128
<211> 385
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13128

aggtaggtatggctgg ggtggctgg tataatgtgg tgcacatata tgccattatc 60
tntaatgatc ataagcgaag tgtcaaggtg gtgc当地atg tttcaagta cagggcttgg 120
tcatggctaa tgaaaaaaagt ggttaaaggc attggggcat cattctacga atgctgaatt 180
gagtttggcc attgtatgcc actgtcattt atattctgca aactatggac ggtaagttga 240
tgctaggggg ttataactgt gactgaacgg cggaagctat gttgacttaa ttccggcaa 300
taattcttgtt atttagtatt aacggatgt ttaaattgtt ggctatgaag cacgaacatg 360
385
ccgctgaagt gccgcgttcc gcgtc

<210> 13129
<211> 339
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13129

atgacattta gtcacaggtaa caagaacact tcataataac aaagatgtatg atctcaagaa 60
tcanagaatg agttcaagat gttcaagatt gaatcaagaa cattcaagg ttcaagagga 120
aatttagattt caagaatcaa gaatcaagat tcaaggttca agcttccaag aataagaatc 180
actattcaag actcaagattt caagaatcaa gagaagat tctcnagatc agtatgaaac 240
agtttttca gatcctgact agcacgtgca ttcttctcca aagctatcta ccacagatc 300

tgtactctc ggtgactgtg accagattat tgtgatcaa

339

<210> 13130
<211> 307
<212> DNA
<213> Glycine max

<400> 13130

tgaatcgac ctcagtgtga agagttatga ccatctgaat ctctcggtat cttccgttgt 60
tcaatttcga gcgtctgtat atgtgatacg cctgaatcga acatccgtgt gaaaagttat 120
gaccatttga atgtctcgaa agcttgcttgc tcaattcc gaggatctcg acatattgtg 180
tgcccgaatc tgaccatcgt gtgaaaagtt atgaccattt gaatttctcg agagcttcca 240
atgttagtt tcgagcgact cgatatatta tacgcatgaa tcggacctta gtgtaaaaag 300
ttatgac 307

<210> 13131
<211> 478
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13131

ntatatctat ggttaaagcag aagaggatat acccttacgg gaatcaatat taggaaatat 60
caaatcttag ttntgaataa taatgagaat gaagagagga cattgatgat agagatgaaa 120
gaatgaatac acacttgcaa ctgcgcatac gaccaatgac tagaggttgt gactccttga 180
agctgtgcga tgctcttttc tgtacactcc aacgtaaacac tttcaaaaccc tacattctat 240
tatattttt tcgttataaa agagagagac acttctttta agatggttt cataaccgtc 300
ttagaatggt agtttctaag gcagttcttgc caaaaccgtc tttagaataat tgcattttt 360
tacaaaaatg tcaccgtgtg tctttctaga atgattctct atcaaccgac ttataatcaa 420
cgtcgtaaaa atagctttct ctagtagtga atgcattgtg cttaagcgac ttaagtga 478

<210> 13132
<211> 362
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13132

ggggagaagt gaagaagaaa agggttcagc cncttcggca cttctcttc tctctcgaaa 60
ttactgagga aaattagtgg catgaagaan atccaagccg aggcgcttcc gtaacgttc 120
cgtgagtaat tacgcgaaga ttctcgaccg ttcttcaaga ttcatcggtt gttttcggtt 180
ttcttcagtc ttcaacgggt aagtaccta aaccgagctt ttcaattcat tctatgtacc 240
cgtggtggtc cacattntgt atcatgtatt tttattctcg ttttcattta cttttaatac 300
ccnctttaa cgtgcttaag ccatttattt aagtcatttc tcgcctaatac tnaaaataaa 360
at 362

<210> 13133
<211> 378
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13133

tctgtccctg aganactggt tcccagaaga caacaggag ttttagattgt tgtaacccta 60
gccttgcAAC aagtccctagg gaagtagaca cggagatgga caagaaaatc cgcaGtattg 120
ttagtagcat tttaaaagac gcctctgttc ctgaagctga tgaagatgtt ccaacatctt 180
ccaccccgaa tgTTTctgtg cctgatgtt agaaagatgt tccaacatct tccggcccaa 240
atgctgaAGC cctcccttca cccagtgaag aggaatcaac agaagaagag gatcaaggcct 300
cagaggagac ccctgcacca agggcaccag aatctgctcc aggtAACCTC attgacttgg 360
aagaagtgcga atctgatg 378

<210> 13134
<211> 409
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13134

tctntgctct tgctcttaac aattgcanaa gcaatnggaa taatgtgtct actattatct 60
tgtccaatgg cagttaacaa agtaccacaa tattacgtcg caacttggTT gtatggataa 120
ttactatgt tatgtcccttc aattctacac aatgaagatt gcttaggcattt atctggaaatt 180

gattcgtcca tctcattatg catacaacta gagactaacc ttttcaatat gactcatcaa 240
tctgaagaat caaacataaa atatggactc aaatatgaag accatttac ttcgtttcca 300
acggaatgaa actgatgcta ataaactnta tgaatgttgt tcaaccctgta tacagggtca 360
acacaatcat cataattat atggcgagaa acacctgccc caattgcat 409

<210> 13135
<211> 425
<212> DNA
<213> Glycine max

<400> 13135
tctataccac cccatttctc tcctccttg gcaacatcat atagccaaag tgcgtggcaa 60
tcaacacaag attatataac taaagttac ataataaato ataagtctca acagaatata 120
agacaatcat cccaaagtta aaaccaata taatccaagc ataaataagt cataaccaa 180
tataattcaa gcataaaaga ctaagtgcc attatcgaaa gataacaaaa gttcagaaaa 240
tgataccgta aaaagcatag cctaatacac ggcttataat aaaagataat aacatcctaa 300
aaactaagac ggtggtgaa ggtcgaagct ctgacgaaga taagttacat cctcttcaag 360
ctgcgtgatg cgggtatcca tgccttcaaa gcgaccatcc acagaatcaa atcgctcacc 420
aacat 425

<210> 13136
<211> 591
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13136
tctctctatc tcggcgtang acactaccat antagtgtac tcgtacatac gtncgctcct 60
actccncacc ccacgnctga ccctganacg ttttcttagga cacttaaato tcacttctc 120
acggggaaat cttgctgcca gcgcttggtaa ttaaattgtt caatgtctgc tgaaaaacat 180
cagctggggc tggtaacta ccgatgctgg ctactgttat atctattcca cccctgaata 240
ataacctggac gatagccata ctgaaatgtt cgatcgatt catccggca tagttctat 300
taagacctct atatgtcata tattcctgag cgacagtcgc taacatattt ttccatcaat 360

aataagaaca tcatgcttat ttgcataaggg ggctaacaact tttatagctc atgaaatgaa 420
agcatgccta tgttcagcga tacacaatct tcctctatag atccctactc gacctacatt 480
gaattttgt aggnataccc aacaaggcaac ctcttctaca taagaaaatat atctacaaag 540
atgtaaaaga tctgaaggat gcgaaaaaat cgccgggctt taaacaccat g 591

<210> 13137
<211> 453
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13137

ctanagtcgc atatcttana ggaaacgaat canaattgat gatgtacata tgagactaat 60
ttggtggttc ataaaatatc tagctgtcaa acataagttt tactaactag aaatgaatgc 120
tggtagagc attactatca atatgatatc aacatgataa attacctgga atagtgggtg 180
ggaaacctg atctccatag ccaagttcg ctggatttt cagttccgc ttctcaccaa 240
gacacattcc caataatccc tggtcccaac ctgcaaagag aggtatgtat catggaatac 300
tctatcttga aagatttccc atcaatcata aaccagtaat ttgtaacaaa attacatcat 360
acatactagt atgattatgt aaatacacgc atgcatgtat gtgagcataa attatagctc 420
atatgtcttg gtgggtatgt aaataaataa tat 453

<210> 13138
<211> 515
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13138

gtgacncctg acnatgatcg ccatagagna ngcgacacaa natactcaag ctctggacac 60
ttaatatntg agagagaact gcattccga tcttgagatg aattgacaaa gccagcagca 120
caaacaatag gtggtgcaat ctgaattttc cctgtcacat cgcttgcac atcacctgtc 180
tgtctctaca ttacaatgaa catgcatatg ctcgcccacc tataacttca tcgcgaactt 240
tatagacact gtgtctatat aatacctgct agtgtatgag tacatntgcc acatctacag 300
gtttcaccgc ctcttgatg atttgactga ctcgctttga agatgacatn ctgcgtgggt 360

gggataccct gacgtgtcga cacatattc atgcacatgc tgctatacg attggcata 420
atcttacctc cgtatgatgg ttcatggatg tcgcgcacaa cgatttaac cttcctgcag 480
aattccactc ttcaatatat aagagggtggt ggccg 515

<210> 13139
<211> 479
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13139

cgtggcana ntgacccacg ggctncgctt gttatataat tggcttattt tccgctgaca 60
aacatgacta ggtgctgcgt gactaccat gctggctact agtatttcta tacctcccct 120
gaatcatagc ttggagcgaa tgcagatttc agaaaatgttc cgatcgaat catccggta 180
tgcctctta taagacctcc atctgttatac tttcctggc cgacctcagc tagcattcct 240
ctcaagcaat atcggcgaat catgtctttt gccaatgtgt gctaacgttt tcgtggctga 300
tgcattatac gcttccaggg tcagtcgtt acaagtctgc acgatataatc ttatctgacc 360
taccttgata tcttgaacga catccgacag ccatactctg ttacaaaaac atatataatct 420
ccacgttggt aaaaattctg agtgtctgtt gaattatcct cgagcttcgt cgatctacc 479

<210> 13140
<211> 233
<212> DNA
<213> Glycine max

<400> 13140

aaactcaagc tctgattcga atttgagcgt ctgcattat aaatgactca atcggagttat 60
cgagtcacaa gctatcgacc gtcgaaagtgc ctcatagcgt ctgtcagata ttgcataatgtc 120
tccattttt acaggactct atcgatcatc caagtaaaat ttattgtcat ttgaatttgc 180
tcatacgatc tgatacaatt ccctgcattt cgagttacta caggactcac tca 233

<210> 13141
<211> 264
<212> DNA
<213> Glycine max

<400> 13141

aaggacacag catacagtaa tcggcaacgg tttatggacc tgtttatata 60
aaggacacag catacagtaa tcggcaacgg tttatggacc tgtttatata 60
tgggtctgtt gcttatcgtc tcaagtaacc ggcagaagct ctcatacacc ctgtattcca 120
ctgttcattt taaaaaccat tcaaagggtc actggaatgc gtaacacaag tgcactgacc 180
gaagcaatat aaccaccatc aaccctcgat catgcctatg actatcttag acgaagcgaa 240
gaactacagc tcatgggcct ctag 264

<210>	13142
<211>	564
<212>	DNA
<213>	Glycine max

<223> unsure at all n locations
<400> 13142

cgatcgccat tgggccttga tgacagctgc actancngac acnacagcnn gctcatgctt 60
atgagtcctt atctgtacgg aaacgaagcc gcacgtgtgt atgtacattt gtacactcat 120
gacggtgtggca cgactgacat attgctagct tgtcactaca atcactatgc tctaacaataa 180
agatgaatgc agttagatgc attactatac tcatttatc cacatgatgg attacctaaa 240
acagcgagtgc acgaacccga gactccatag cctgattaca ctggatttct cagatttcgt 300
ctcgtattca gacacatcca caatggtcgc gtggcccaac tccgcaagac aggcagtgtat 360
caaccacaac tctatcttga atgacttatac atcagggtta tgccagaact cttgtgcata 420
agcacatgcg acatgctact gagaatatgt gattacactc tagcacgtgt gtgaccatca 480
attatcgcgc atatgttgag gtgggtctgt acatacatat tatcaccctt atcttatgac 540
tgcatcgata aaacatctct accg 564

<210>	13143
<211>	337
<212>	DNA
<213>	Glycine max

<400> 13143

tctgacagac catacaagtt tcctaacgtt ttctaattat gtgggccatt aactctatca 60
tatgctgaca atagccgaaa agcccatgaa tctattcagg ggcggagtaa gtgttcgcca 120
ctgctatggc cttggctaac tattaggaa cttttgact cctgttcaaa gtaagagcga 180

atctggcctg ccacattgct gtctcttggt gccatgaatc aataaccctc tcccatagct 240
cgctatctgc tgatttcttg agcgactatc ctctacacct gcactgagtc acgctaattt 300
acttcttttg cctcattatg acggccacat ttcccttc 337

<210> 13144
<211> 351
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13144

tcataatgaa gtagccaagt agtgcaccca agaagcatga tttactctgt cntattnaga 60
agggtgaaat gctacactaa atacttacta ataaaattaa agtaattaca tttgttaattt 120
ctaattttt aaataatatg tattttctgg tatgaacgtg gttcttcgg cttacggaaa 180
gcatatttttgg ttggttctaa aaaactaaat ttcttacatt aatgctttagt ataccaatag 240
ggaggtcatg cataatgggt tggttcctca tgatctctt ttaatctaaa gtttacgaat 300
tttagtaactc aatattctcc ttattnncc atgaatattt cagcggggct a 351

<210> 13145
<211> 254
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13145

ctgagccaat tcanacgaca ataactnttt actctgtatgt ctgattgtgt cccgcaatat 60
atcgagacct tcgaaattga atgtctaagc tctgagccaa ttcaaacgac aatataacttt 120
tactcgatg tctgattcac gtcccgaaaata tatcgagacg ctctaaattt aatgttgaac 180
ctctgagcaa atgctaacga aaataagttt ttcttggatg tcttggtagt tcccgcaata 240
tatcgagacc ctcg 254

<210> 13146
<211> 328
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13146

cgccacccag ctcgcccagg cgagcanggt agttcctcc attatcaact accttctgga 60
ggaatcttat ggagggccca agtgggcctg gttgctatgc gcactcccat tattactaag 120
gacacccct gccttatctt aggtgatcct atcttcttaa agttacggaa acttacgaat 180
tncgtaacga tacttgttctt ctccgtaa tgatacggaa cctttagat tgcatatatca 240
tccttcttt gacttacggc atgttacgga acctcagcta atttgcaacg atgcttccat 300
tatagttctg gtgtgtcacg gaacctta 328

<210> 13147

<211> 353

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13147

gtttacttct gaacaatttt acttatcttc ctcattttttt ggtgtatcat gactaacaaa 60
gacatgatta tcattttttt gcttatgagg tttacaaaag acatgatcat cattggggc 120
tcaaataagg tgcaaaggat aaattattat caaacgttgg attttaagct gagtggctta 180
aaataagaac aaacataaat aaggtcttga tcacttccac ctcattgtat taatctaaca 240
gtctaagaat aatgccaaat cangaaaata aatatacg 300
acacaactca ccacgacaag acaaagttag ttgcttacca taccatgatt tct 353
acacaactca ccacgacaag acaaagttag ttgcttacca taccatgatt tct

<210> 13148

<211> 500

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13148

tactcagctt agggtcactt tatttccaag tntaatctac attagatatt ctgtacttga 60
agttctgttc ctattctgac tttaactgag atattaagtg taatatttga gtattttgca 120
atatggtcag tgcaatgacc tgatcaattt aatacactga gatgctgcaa atattttctc 180
acagttcaa taaaaacaaa aatgatgca tttaatttgc gaaacaaaaa aactggcag 240
tcatccttagc aagtccttga tcttatcaaa atcacaatct cttttatgtt ttgccatgt 300
ttgatcactt gttggcccccc tggatggttg atataattga aacaaatgtg agacatttg 360

aaagggaatg aatgtcttt tcagaactta ttgagaagta cttcttacat acaagaatat 420
tctggagaat ctgaactacc aaaattggtt cagaacttgg ccatgcttga tctcatccaa 480
tttgatcatt ttcaataact 500

<210> 13149
<211> 432
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13149

ngacangccg acttgtntaa gtaataataa taataactat tatctataac anttttatgg 60
cattatgaat gacagtatga agtggcatan agtgcttaga gagttccctt gcatgtgaaa 120
aattctcaaa aagaaaagga cttatattaa aaggataata caaccagatt aatacttccc 180
aagacaagaa tgtttgtaa agacatttc agacaattta aatatttttta ttggctata 240
ttagtataaa tcatgtctaa ttcatatatt nttaatatt atgttcttta tttcatttt 300
ctttgatat actttgtgtt ttaataactt gaattcaata tgaatttgta cattacttat 360
acaaaatttt ataattggtc ttttggtag tatttcacta cgtttaaaa caatctaattg 420
gttaaagatg tc 432

<210> 13150
<211> 323
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13150

agatgaagat gaatccgtgg ccacccatg gactcctcta agattttgc atcatttctt 60
gcactgaatt gttggagtt ggaagccatc ttctcaatca aattcctgc ctcagcagg 120
gtcatatcac caagagctcc accattggca gcattaatca tactcctctc catgttgcta 180
agtcctcat agaaatattg aagaaggagt tgcttagaaa tctggtggtg agggcagctt 240
gcacacaatt tcttgaatct ttcccagtac tcatacaagc tntctccact aagtttccta 300
atgccggaaa tgtctnttct gat 323

<210> 13151
<211> 446
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13151

acatgataca tgtcanggtt cggtttgttt caatgataaa agggatgccccc cacattat 60
ccatgacaca natgcaaaaan atgatgattt ggaattttta tgcaaaaactg gtcatgcgtg 120
cgccatggg gacgctcaag tgtcaaattt ttatggcat gtgatgctag ggctcacat 180
tcatttcctc catattaaat caacccaatg tttccaaaat atgtcctttt atcaatttgt 240
gcattccctcc aagtccattt caggcgtccg gngaaatttc atagcattca cccttcatgt 300
gtacacattt tttttcaaa aactagctat gatcagcgaa tttttctttt atagaatagt 360
tggaccatc tctttcacaa catgtaattt tagctagaca cttatttcctc ttttccacct 420
cttttactt gtttctgttt cctatt 446

<210> 13152
<211> 312
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13152

ntctttggac cttaaacagg caactaactc ctctntcana accatgccat gtgctcgca 60
ctggccctt tottcccttc gcaacttgag ttcactattt ctacccata gagctcccg 120
aaatttgttc cggccataact cttccttgcg agccctcttgcgtt caaaggctct 180
tgccgttaatt gcattttttt cccgtAACCC ggcacactcc ttccgaacgt gtgtAACGGC 240
caacttgaac ttcttcttgg ccagtttgc cttccctaacc ttgctttaga gagctaggac 300
ttctttgtct tc 312

<210> 13153
<211> 401
<212> DNA
<213> Glycine max

<400> 13153

cactaagaaa ctcagttta cttccattt taaagagcag tacccaaagg gtttagttt 60

tagactgaga attgaagcac aaccaaagct caaagatggt gtggtgtca ctaaagtct 120
tgacattcta aacaaatact tctttccatt attgtgtatt tattcatgaa taactgctgt 180
catccgcaac ttgaaatgtg agagagaaaag agatcctttt tatttc当地 240
aattacagaa ttcaaccatc tttagaattca gcgatcactg gttgaattca caatattaa 300
agataaaagtc agtccataga taatcttcca tttgaatcct atttccaatg tatcgctaat 360
taaacaatca aattaaacta tcttactttt acaagaccac t 401

<210> 13154
<211> 313
<212> DNA
<213> Glycine max

<400> 13154
ccacgagaat gatttcaaga ttgagtcggc agcaagtcaa gaatctagag acattcgata 60
tccagaatca agtttcatgt ttggagaatc aagaagctag agtcttcgag attcatgact 120
caactattcac gaatcgagag ataactcaact caagatcagt tctaaagttt ttttcaaaac 180
attgagtagc acatgacggtt ctcaagaaat gctttaccaa agagcttata ctctctgtgt 240
atcgattacc aatagcggat attgtttcc aaagcttca actgcattgtt caaccttcca 300
atcgatggct ata 313

<210> 13155
<211> 371
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13155
ttgtcaccaa ctaggctact atccaatatg tgtgatagtt ctcacaaacc cagatataat 60
agagagcgaa agactcgta tttgattgtg tctgaacctc agtttttatac gcattctgtc 120
ttattctta cttatgggt gtatagagct catgtgtatg tgttaagtgt gtaccgttga 180
gtagaacaga ctatctcga aaaaaaaaaac tcaaagagt atgagaagga gagattgtaa 240
gcatttat tgagcacgac tcgtgctgac ctaacaccac ctgtgttcaa ttaacactcc 300
catttctcat agaacgctat ngctaccaggc atgacccatg ctcagccaaac acgaccatgc 360

tactcagcat g

<210> 13156
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13156

tctacatgaa gcaaccagct cgccctgtgtg agcatgttac ttcatactta agccatcagc 60
tcgatagggc gagctgagct cgccctgagcg agttgagttc gcctgagcaa gctgggcgg 120
aagttgctcc cctatttggc tataaaaacgg catgggatgc tgangggaaatgatcacca 180
cccttggcaa gcataattca cttaaaagac ttttgtctta cagggacttc aatgtcttt 240
tcctttacat tttagacaca ttcaaaagtct tttgtcttgc agagacttca atatcttctg 300
cctttacatt tcagagacta tcacatacnt tttccttgta gagactctaa tgtcttctat 360
ctccccctta catttcaaag actatcaatg tctttatca tgcagagaat tcaat 415

<210> 13157
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13157

ntatacgaga ttnttagtaat gacccactaa cttctaatta naataactta ttgccattaa 60
cctagagaat taaaagaact taatggctga gtgttaactga aattgtggca accaaaaagtc 120
accccaacag tcactatttgcgtccaaa aagctgatgc ctangttgcc aattgggccc 180
ttattacaac ttgaactaaa cctaactaaa gcccttttag ttgattaacc taaaacatat 240
tttggtcagc cgactttaca aagattgggc cattattttag acaaaattgaa cactctaaaa 300
ttgagacaaa gtggtgccat tttagtcctcc cccatgggg ccatgataca actcacaacc 360
ttggactttt ctccttgaga cttngcttg tattcaaata gtatggacaa cac 413

<210> 13158
<211> 336
<212> DNA
<213> Glycine max

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<223> unsure at all n locations
<400> 13158

caagtccata gccatcaaag tctgaaaaga gtatgatgaa ctaacggatg tcaatatggc 60
cacagctgaa gccttggaat gagaaaccaa taatgcccga aaggaagaac acgaccaatg 120
caaactntg aggagctta tatggcaaca atagtatct caagctccga agacgtgaaa 180
ggaatcatca caggtcaaag gcatgatctt gatagacgag ctaaatgctt gccttaggtc 240
gaagagacat ttgtccaaca gttaagcgag actgaacgga atatgtggc catcatcgat 300
gagtgcaaag agaagctaca tctagcagcg actcac 336

<210> 13159
<211> 300
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13159

tgataatcag atgacagaaa tcaaaaataa gattacctt gattgtatg tattactcta 60
ctcctgcaaa ggatgagtga gagacagagc cacagaatat tccaatgaag gaatgtgcac 120
cacaaaataa aatattatcc cttttttttt tttatgtt ggtaaataac caaatccatg 180
tcaaaaatgt gatgcattca taaaattggtc tctaaagatg ataattataa attntattgt 240
gaacgtgtaa aaaatatgtat aaattaattt ttctggtaa aatntataaa attattttat 300

<210> 13160
<211> 469
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13160

tgcagacnct cctatgacac atccaggact atcatctcca agttcattct tgccctcagc 60
atgtgccttc tccattggag atcaaggatgat catgtggagt ccaaagttca cagataattc 120
atctttgat gtgcgccttag acaatccttt ccatgtggaa agacttaaag agttagtgg 180
gccatatagc accatggttg aagtatcatg gctttataga gaaagtca agtcggctga 240
tactgagaca ctgctcctga atctagtgtg aagctgttat atacttatac ttgattgaga 300
taacacacta gaatgaactc tttggttcta agttgagttc taatgagcat gtgctattat 360

gttcgtatgg acacttattt gtcggctaga acaagtagac ctcggcatgt tgaaggcacca 420
agagaagata gctatttgg a tcaacataca ctatgcttta gcgatgcac 469

<210> 13161
<211> 443
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13161

tccatcagat aacctcaatt aagcattcga ttcatgttcag gtttcaaaga gactcacgaa 60
agtgcattgtc aattcttgg a attatctatg aggtgcacaa gctcacaaaa cattaagtat 120
aaagacaaat aattaactca aacgttatat taatgtgaga aaattacatc taatagagtt 180
caatcccttc ttctccctagc taagaaagaa actagacact tatgaaatac aagaagagag 240
aagataatat gattnnttcag taaagggtgg tgtgtacagg tgttctcccta ggtttttgc 300
tgctgcctat gcctttctat ttataaaaatc atagatgtgt tttatagagg caaatgatct 360
tcttaattta caaaataata taatctatac taggaaattha tctctttagc taatataata 420
tgtgttaattt ggtgcaattt tct 443

<210> 13162
<211> 336
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13162

catgagcaaa tccaattata ggctnatgtc ccatanaatg acgtccattt tcaattggng 60
tactcatctt cctttctct ctagagtttta acgggttgaac atttagtcac actcaatttc 120
tcttaaggcac tagccttgc gtaagcttga aaggtgtatcc aattgtcaact atttatctt 180
aatgtctgca agaatcaata ggtctttgt tttgggttgc aagaatgcgc atnttacgta 240
aataacaatt tttttcaat aaaatgtgc cttttctt caacaacaaa taggcaaaca 300
taaaggatca attgaaacga ctaaagtctt cactat 336

<210> 13163
<211> 467

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<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13163

tgtagcacag atgacgaaac tctgcaactn tgcccacana ttttagtgaaa ctcataatta 60
tagacaatct attaatagaa gctgtgatgg taacatttag attccacacctt agagatattg 120
tttgtatata ttcaatatatga aaaatcatta tttggaaaga cccaaaccat ttgggagtt 180
tgtcatcata atcgctattt acataggcaa gacccaagaa ggtgcccttg atggcaaagt 240
aagcttttct ctaaaattga agggtggtcc attttcatct ctaagatgtc tctctctaatt 300
gtatgggggg tggatcaa gagagataaa gtgatgaact ctgattgaag aaattggtaa 360
gacttgacgc aagggaaagat caatcaatttgc ctccccggcat tgaaaaatctg cgaaagatag 420
ttcacqaqcg aggcatagtg caaatgacag aagatactat atcacta 467
```

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<210>      13164
<211>      415
<212>      DNA
<213>      Glycine max

<400>      13164
gtaaacctcat cgtctctcac agtctttaga attgagagcc tatccaattc ttgtgttcgg 60
actctcagcc actttatgata gccgccgatg atcccattac tgcttccctt aagctctctg 120
tccttttttc atgcccgcattt ccatgccttg cgaactcctt ggagtaccctt cgcggttgtgg 180
tcaccggaaac cccgtgcgtat gaaaggcggtg atgctctcctt ctgatggcac tcctctcatg 240
gggttagccaa gctgtcttat ggcgaggacg agattataat taatacaacc tcttgttcca 300
tcaagggaac attcggacat ctttcgcattt aagatagaat cctgattctt ctttccttct 360
aagcggggaa caagataaca gacacccttc catgcttagcc aagagttggc cccaa 415
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<210> 13165
<211> 385
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13165

ntacagcaga atttagtgat gacccactaa cctagaatta atataactta ttgccattaa 60

cctatggaat taaacaaaac ttaatggctg agttaactg aaattgtggc aaccaaaaagt 120
cacccccaac agccaacaag tcagccacca tttggtctcc caaaaggctg atgcctaagt 180
tgccaattgg gcccttatta caacttgaac taaacctaac taaagccctt tttagttgatt 240
aacccataac atantttgg tcagccaact ttacaaagat tggccatta tttagacaga 300
ctaaacactc tataattgaa acatagtggt gtcatttagt ctcctccat ttggggccatg 360
atacaactca caaccttgga ctte 385

<210> 13166
<211> 553
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13166

ttgaccctt gantttgatc tacctatgng acactccaga ntactcaagc tttgcggatt 60
tggactatgc cagtgagagg atacacgtgg gtcccacaag aagctattct gatcatccta 120
ctaagacgac tgagaaaact ggcgccaatg taaaaggtga taaagaagga gaaacccatg 180
tttgactgc cattcctatt cgtgtcaatg tttatccacc agaaccgctc acaatgtgta 240
ttaactcata tcaataacaa gaactgctgc gatatccacca gccagatatg cacaatgcc 300
attcctaaat caaacacaga gccttgctag cgcaacttcct atgactataa cgacctttag 360
cacacacgcc ataagacatc aacaaatatg aatttgcagg caatcgacat gtgggggtgac 420
cccagattcc gttgtcatgt ggcgaactag atgccataat cactcaataa tcaatgcgta 480
gcgtacaccg aaacagggtc ctcaatctca ttatggagg aacgatcgac acactggtgc 540
tatcgtaag act 553

<210> 13167
<211> 374
<212> DNA
<213> Glycine max

<400> 13167

tagcagatgc tgcagctgca agttctatgg aagagatggc gaagccatat gatccttatg 60
ccaagaaaacg caagaactta atagctcgta actcctcaat tgagaggagt cgcagttgcg 120

caaataattgg tggaatatca tagcgaccca caaacatacg tcgaggagga acatcttgc 180
tcactctgag ctgttagcgaa gagggttagga gctccacttc aatatctcct ccatgcactc 240
ttcctctct tcatccgcgc gtcatataa ggacatcgct gcctcaatcg tcttcttcaa 300
cctgacgaaa tcctccttgg aggtcatatt cctggactga tctgcactct gttgctgagg 360
374
ctcatgatat atct

<210> 13168
<211> 474
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13168

tctcanagaa gctacgagga agcttctaga ggaaggcctct taatgaatct tctagagaaa 60
gctacatgaa gctgtctcggt taaaaacgct gcccagcctt catcaattgt tggatcttct 120
cgaaattcgg ccttaaactt cacaagacac ttgtcaatca tctgatcatt gagatcttg 180
agaagatgtc tggagtgtgc tagaaggctc ttaatgaago ttctagagaa aactacatga 240
agctgcctcg gtagaaacgc tgcccagcct tcgttaaccg ttggatcttc tcgaaatttg 300
gttgcaact tcacaagaca ctntaccata gattaaccgt tggtatctt gagataatat 360
ctggagtgtg ctagaagctt ccgttcccga gagcatctct tatgtaagca tttcagcctt 420
tgcttcttg tagttacga agaatgtcat gtcttcttct ttcttcttctt cata 474

<210> 13169
<211> 412
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13169

tcgaaagaaa gtgatgaggt acaaggcccta naggcaaagc ttgaaagatc tctgngtagt 60
caaagagaag ttcaagtcca taaccatcac agtctgaaga gagtatgtg aactaaagga 120
cgtcaatatg gccaccgatg aagccttggatgagaaacc aagaaggccc gaaaggaaga 180
acacgaccaa aacaagttctt gaggggcttt atagggttagc aatagtgagc tcacactctg 240
aagaggtgaa aggaatcatc acgggtcaaa ggcattatct tgaaggacga gctaaaagct 300

tgccttangt canaaagaaa tttgtcccaa cagttaaagcg agactgaagg gaatatgtgg 360
gccatcatcg atgagtgc当地 agagaagcta aatcttagcag cgactcatga gc 412

<210> 13170
<211> 454
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13170

agtacttgca gttgctcagc ttaggcaagc acctgagctc tgctgctcta ttngngtttat 60
tcataaaaatg ccaggttgggt gttcttttaa taaactgacc tgtgaagtct gcaatgaaag 120
attgtcctgt cgatatcat tcataatgcta gataagtagt tctctttagg ggcagtgttag 180
ctagattact tgataaaagag tagacagatg tgacatatat gatttgcattt ccaagagtct 240
atttgattat ctgatgttga ttattcttagt ctacactatt tatgcagctg ttgtagaatc 300
attaatcaat actggaaac aaatagcagc tgtacattnt attcatgcct tccagctcca 360
agaaagcttc ctcccagtgc cccttctgaa tgcatacctc aagaatcgaa tgagaaattc 420
acaagttaag actggaaatg tgcgtgacat cact 454

<210> 13171
<211> 432
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13171

cactatcaaa ctcagcttata agactctgtt gctntnagaa gaaaggaaca agatcttatt 60
atagaataaca caactagttt tgtaaaaagg agaaagacga ggaggagaaa taaatattat 120
agtataatata tatataatata gaataatcaa ataaagccat tgagttaatt aaggataatn 180
taatttaatt agtgtaaaag ttactctccc taccaaattgt tccaaatcttta gaggagagtc 240
aaaattaatt ggggagggat tttaattctc ctcccctttc cttcaaaatt ttgaactaaa 300
caacataaat ttataaaaaat ccctacctcc aaccgaacac tataatntaaa gtacatgcat 360
ggatcacaag ggtntggctt gtactatattt cctttgctat nttaaattca gaaaacagcgt 420
agtagaatata 432

<210> 13172
<211> 401
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13172

tcgaggtaa ccagaagaac ctanactccg cggtgcaatc agacagaggg taaccccgcc 60
aacaaaccat gtcaataacg taataagtnt gatccgcctg tgccaccca aaaatcacat 120
acaaagaana agaaaacaga aaacaaaaac acgacattca ttcaataac ctagaaaagt 180
agcaaattca gacctcgtga aagatgcagt ccaatataga gtaggagggg tccttcttcc 240
ttgccccgct cggcaagccg gagggaaacc gatgcagaac ggcaccgttc cgtagacggc 300
ttatcgtcgc tccgttgac gaaacgacga aacaccgtt cccggaaggg cgagcgaaga 360
cgaacctgan aacgatagaa aacggagttt gttaagttaa t 401

<210> 13173
<211> 502
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13173

aggtgtatca ccttctccca ccacccctt atccgtgagg gagaggaacc taatntgtc 60
caaagcctag aatgtgcaca ttattcgcca ttaacaaatc gttcaacaat taaaaaaaaa 120
tttaaatgca aggattttcc aaatgtaaac aaaaatactt nttttaaaa aaaaaaaaaa 180
aagcgcttac atcagaagca ttggaaatca actctctgag gaagatatcc ttgttactgt 240
agagagaatt gatgatgata tccataagcc gcgcacacttc cgcttggAAC tcaaatttct 300
ccacgttgct ctgaagagat ttcttcgaga tcgactacac ctcccttca atcgcaacaa 360
cacgcacacg ttatacaca caataacaag agaacaagag ataaaaggaa ataaaacaac 420
gaacacctct tgatgacatt tgaatcggtA aaaggccatg aggcacatca ctgatcttgt 480
ccttacctt cggtggatct ac 502

<210> 13174
<211> 293
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13174

ntggataatg agtttattc aaaagttgt cgtataaagc gattaacata ctccnccaaa 60
tntacagatt tgcttgtcct caagcaaaga aagaatagtt cacttgccctc aagtgacaaa 120
gatagtggcc aatcaaaaga atatggtgtt tgattcatca aggacatcaa ccatatgaac 180
taaatatcat ggaatgctta aatcaatcac ttctcacaag catgcaactc ttcacagata 240
ggagcacaag tattagagtc acagctgaaa taagcttagta agcatgacag aaa 293

<210> 13175

<211> 441

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13175

tattcaagac taagatacac tacanaaaca tgtntattat gtgtngatta taaacaaaat 60
ataaaaaatga tcatgaaatg gtaatttgct actttnttt taaaaaaaaa ataacagtaa 120
ggagtaaaaaa gaggcatcaaa gagggtgaga atagcacccc tattcctcgc accccttcct 180
tcctttatt ntttcacca ctaaaaggag cttgacaaat agatttta gtcttagaaa 240
tacacgaagg gaaaaaataa tcttgataa acaataaaca ataatcttac ttttaattaa 300
tattnaatct tgaagagggta taatgaatat ttattntcac cagaacaatt ttgtgagtaa 360
aaatatacat atacattatt cttaactact atcacactgt cctcttaata attcatata 420
gtacattctg ttaattttt c 441

<210> 13176

<211> 312

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13176

cttcanatg tggagaaggt gtgtccaaca acaaataaa gaccatnta tgtgttaaaa 60
agtaagagaa agatcgtaa tccgtatctc ccttggatata tcaatagaat tcttagcaag 120
ctcagctcac gacaattaga agaaggaata acacagacta acatggcac acgcacatga 180

tggtagtaaa aggtttggc ctaatngga ttattctaat tatgaaaagt acgagagtaa 240
attgaagatt tgaaaaatca caaaacagca catactcaat tcagcangac anaaatgcat 300
tgagtatatt ac 312

<210> 13177
<211> 558
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13177

cgcggcccttg accccttgc gtcctngtct cactangcga cactacagac tactagagct 60
cgaagccat gtggatctat ctgaatctat cagggatatt attatcgct tccacttacg 120
cgaggggtgg aggacgacct ggtctctcta ctgtgggacg cctatcacga tgacgaccaa 180
cacgatgacg accatctgca tgaccacgtt cagtacgtgg acctaggaca ggaccctatc 240
ttctccctct cacatattgc aattactatg acagacagag tgaacttgtt actctatata 300
tgactgatac ttgctccgaa aactatcccc agatgagcct gttcataaga ttgattacgc 360
agcgtcaggc tacaataactt aatatcccgt ctactgtcta tgcatacgaa aactacgctc 420
acgtgtgtat actactgata cttgcattt aatagatcta gcagactcta aactgaaatc 480
ttggctggcg aaacatacag tgttagatgcc gataggccat tattcgactt ggcataaccct 540
tcgtgacttt cacacccg 558

<210> 13178
<211> 493
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13178

tctttcattc attgcatata atgagactct ntatgtgtc cttttctcc ttgaacacct 60
tcttgagga tatattccat tcggacccac tcttgggtct ccactttct tcatgttttt 120
agatgaagga caactcatca tccttattag attcttctnt agattaccca tttagaagttg 180
tccatgctca gtgcttggc cacacttta gacgatgacc tggatgacga ttccttgac 240
gatggtgttgc tccttacttt ctgagcacta agagcaagtg aatttcctt ctgacttct 300

tcatctagtt gaagttctta ttcatggacc tttaaagtcc caacaaggcc ttcaagggac 360
atggaatcaa gattctgtag cacccttaaa gctatgacct gtgatctnca ctctctagac 420
aaacttctca agatttatca atgtgatcat agatatcata tagtcttcct atagatctta 480
attcatttga tat 493

<210> 13179
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13179

taaggccatg ganaatgcc cacagcgtag ccatgagaat ggtacatgat cccagctntg 60
cggnanaaccc ataaatgaag gtacaaaaat tatcacaaat aaccctcca caagaagcct 120
tggcaccatg atccatcaca ctgcgtcac aattaagagc cacctgtcct acatctagag 180
cttccatct aatgtcgtga gtccatgaa tgctgccact gttgtcaaca agtataatcac 240
tgccggagtt agcagccaca caagatgtca cgaaactaga aatcctctca ataaccctccg 300
tcacattcca ctgggttgcc taaaaatga attcattcct cctctaccaa gatataatgca 360
acgcaattgc aaagaatgtt ctccaataaa cacaccctct cacacctaataa attggacatt 420
tggagcatgg agct 434

<210> 13180
<211> 485
<212> DNA
<213> Glycine max

<400> 13180

cgaagggaca cacacatttc ctggccaa agtctttct gtttaatttt ttacccata 60
cctataactcg tcactcctt cacagccaa taacatagat gtagaccctc ctctactacc 120
ttagttgtt tacgacccat ggatcaccgt cacaattcg ttctcattag catggatcg 180
agcccaccag aaaacatgcc ttctggactt caacacttac aaagcaatgc acataatgga 240
tgtgctctac caaagaatata atgcgtcac cctccacata tgcaaagccg acagagaatg 300
tcataccat cagtgtcatc tcaacatagt cgaacagaga gagtctaacc ggtttgattt 360

gtaagagctc ggtatcagag acaccaatta catgtgttga ctagcttact acatagggg 420
gcatcaaaag atatactatc cacgtgttca ttcttattgt gagcaacgaa atactgataa 480
485
cgact

<210> 13181
<211> 493
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13181

acactatgat actcagcttgc aatatcttta naactagtca cttaaatagt 60
tgtgactttt cgaaaaatct tcagaaacaa gtcacttcaa gaatttgac ttttggaaat 120
ttattttca aaatcagtca ctggtaatcg attatcatta aggtgtaatt gttacacatc 180
aacagatgtg actcttcatt ttaaatttttgc aaaatcaaaa cgttttagaag ctctggtaat 240
cgattacaca agtagaaaaat gttaaacat aagttgtac tcttggaaatt tgaaatctt 300
acatntaaa acactgataa tcaattacta ccttctggta atcgattacc agagagcaaa 360
agtctttgggt aatgatgttgc tgaaaacttc ttgtgctact caatgttttag acaaactttt 420
ttaataactta tcttgatttgc gtcttctt gattcttggaa tattgagtct tcaatcttga 480
tcttgattat tct 493

<210> 13182
<211> 455
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13182

ctgggttggaa attgagcttag tattattaac agttatgttt tcatgagctt tttagtatga 60
tnggatttgt tgaacttattt ataccctttt ttatacatag cgttcttgct aatttatcta 120
caaatagtat tatttgaaga tcatcataca taaactntac gtctgttcaa atcatgcgg 180
agtttgatca ttgaggatga catattttg gctggtttgt aggattgaga atgacaagg 240
ggaaaactat tccatcactc atagcttcaa taagcaggaa aattggacta aatctctcat 300
gtacactctt tgcaatttgc aatggccctt ctattgggtgt tgtggaaata ctaacttcca 360

gccccttca agcatggat cttcgcatgc tgaagtgcct gctgtagggt ctctgtacac 420
gaaacgtggc gttgatgcca natctgaatc tcgaa 455

<210> 13183
<211> 365
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13183

ntcatctagc caagattata caaagggttt acaagagaac ctaacgattt ctaattata 60
ggccatcaa atctatcatg tgctgagagt aattgattag cccatgaatc tcctcgaaaa 120
cagtgcacac ttccggccatg gctttgctt tggctaacag acgcgggagg tcttgacttc 180
cattcatggt caaggcgaac ctatccatcc acatagtcgc ttcttgatgc aacgcataa 240
tcaccctccc tcttgcttct tttcgacat acacttgtgc aaaatcctcc actagcttt 300
gttcatgggc catggactgg ttcaattctt tcttgattt cccttatgata gctagcatgc 360
tttgc 365

<210> 13184
<211> 213
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13184

agagccaaca caggaaacta taannctta tattacagca aatagtggac tagatgttgt 60
atactttctt tctgggtggca aatgtgtgct aggacttggg ataactgccc tctctacctg 120
taaatttatt tcggaatatg ctttattggc ccactaaata tctgtgattt gccacttac 180
actaagttat atatacctgc gaaaaaaaaata aat 213

<210> 13185
<211> 224
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13185

ngctctgtgg gcttctatgg aggctggatc tccgagccca tcgaggtctc ttaatggnga 60

aatccacca tggagatgca gcggaagaca aacgagaaga ggtgagagga ggatccatcc 120
actaatgaat aagccatgga agaaggagct tcaccaccaa gatgagcctt ggataataag 180
cttggagagg atgcttcaat ggacgaaaag aaagagggag agaa 224

<210> 13186
<211> 339
<212> DNA
<213> Glycine max

<400> 13186
actcagcttg acctggacct tgcattgacc cttcaattat gaagtgtctt attgccttat 60
gctctttgga tagccctcta tcattccctt cttcttggaa agaatccatc ctcagtttg 120
catccaaaac acctacatca caagaagaca ggtcagcgac attgaaagta gagctcaccc 180
catactcact tgtaagtca atcttgcattt cattgtcattt aattctctca aggaccttga 240
caggtccatc acccctatgt tggaagtcag atttcctttg tgaaggaaat ctatgcttcc 300
tttagatgtac ccaaattctaa tcttctgggtt caaatacca 339

<210> 13187
<211> 397
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13187
tgatgtgaga nagcgtggaa gagtcagact tcctactttt atttggatcac cacagagtgg 60
tacctggaga tatgtcgccgg gggtcaggag accttggagga catcacgtgg ggtgctattt 120
ccccaaaacca agcttggcca atcccaccc aacccgggca tagtcagtca gtgagaacct 180
gtgacgtacc taatcaagcg agtcctggc agtcaaccaa tgaaagatca tagtccacca 240
agcaaggagg cttgtgtggc ggctggccag ctatctatct tgggtttat tagaaaaata 300
cactctggta atcgattacc atacatgggt aatctactat gagggtaaa acttgaaaca 360
tgacgttcaa tagttctgg gaatcgatta ccaatgg 397

<210> 13188
<211> 373
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13188

gacactatga tactcagctg ggtgctatga catacatgat ccacctagat tggagcttca 60
tgattaaaca catactactt ccctaattgtc ataaaagtcaa tgaaataaca atggcagggt 120
atthaagctta agctctaact ttacaactgg acaattgttag tgaagcatct aagtgaaagg 180
caaaccgcattt cttatcagctg ggaatttttc cccanagtat tcaagcaaga actttcttct 240
gcaagttgtc agcacacaat ancgttcanc agcaagcaat gactccataa tagctttct 300
ttggtttcc ttgtacattt gagactcaca tgttactaag agaacaggga taacttgtct 360
ccagaatata tgc 373

<210> 13189

<211> 415

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13189

cctctagcaa aaggtagaa agcgtgattc tccaccaaca gactctctgt aaccttcaac 60
ataaaatatat atgactataa ttgttttattt caatcagata cattntgctc taaggacttt 120
tccaccatta tcaaataatata tactcttaat ttctaaatgt aagtntctt tatatatgg 180
tgatattttt aaactaattt tctaaaaac ttaatttat aacaaaattt tgcataccaa 240
ttcattttat catactaata ctgtcaaa taaatcttca atatatatat atatatgtgt 300
gcgtgtatata ttgaaattta ttcttcataa tgctttataa cataatctat taaaatctaa 360
atcagacaac anattgctct ataccataga atttactata gtaataccctt tcattc 415

<210> 13190

<211> 423

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13190

tcgcacttga taatggagaa cacatgttca gcgcgtatgca atgacattca ttgtgtctgt 60
aacaagggtg gagtatggag gattgccttgc agggccgcata cttangcaat catgaaaactc 120

agctccaaac tcgaaaagtgg aggacacatg aacagcccta agcaagaaca ttcatgtggc 180
tccggaaaag gatgagaatg gaggattgcc ttaagggtcc tctcttatgc aatcatgaaa 240
cacagctcca aactcaaaag tggaggacac atgaacagcc ctaagcaata acattcatgt 300
ggctccggaa aaggacgaga atggaggatt gccttgaggg tcctcttta tgcaatcatg 360
gaacacaact ccatactcaa aagtggagga tacatgaaca accctaagca ataacattca 420
tgt 423

<210> 13191
<211> 459
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13191

tgttaggatta tggcgtaccc atcacatgtg gtactaggtg gcggtcgagc gatgggtgcac 60
aacaagttt ccacatccac aaagcgcgca taaacccacc atccccgtt gcccacctcc 120
aactgagctc acgtactccc acgtagccca tatcctcttt tctctcaaca cgggtcccc 180
atcaatcctc ccaagcttcc ccaacatcaa agaaaaacaa cattcaaaca gcacaagcta 240
tcacagccaa gcaaaacaga gcaaaggcag aaaactctgc caaaacacca accaaaacca 300
cagctttct cacttaaaga ccccaataac aattccttcg atccaattcg ttaaccgttg 360
gatcgactcc aaaattttac tggaagtcta tagtacataa gcctacattt tgaccgttg 420
gatctactag caaacatnca gaactcattc tgtactact 459

<210> 13192
<211> 412
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13192

tgccacccag ctgcggcagg cgagctaggt tgcttcctcc tgaagcaacc ttcttctgga 60
ggaattttct agaaggccca agtgggtctg gttgctattt gcaccccat ttttactaaa 120
tactccccctt gctttttttt ggtgattctt tttccgtaac gttatgaaac tttacgaatt 180
tcgtaacgat gattgttttc tttccgtaat gtagcaaaac cttacggatt acgtaatcat 240

ccccctttta ccttccggag cgttacagaa cttagggat tgcgactaa cacttccttt 300
taatntctgg catgtcacag aacttcacga atttgctac aataacttct tttgacttcc 360
ggcatgtcac agaacttcac gaactgtcta gcgatgggtg ccaagtacct cg 412

<210> 13193
<211> 329
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13193

tgcctcccag ctcgcccagg cgagctaggt tgcttcccccc ataagacact tccttctgg 60
gaacttcctg gaaggcccaa gtgggcctgg ttgctatttg caccctctgt ttactaaata 120
cacccttgc cttttttgt tgattcttt tccgtaatgt tatagaactt tacgaatttc 180
gtaacgatan ttgttgctt tccataatgt cacgtaacct tacggattac gtaatcatct 240
ttttttgac tctcggaatg tcacggaact tcacggattg tgtaacaatg ctntctttg 300
acnttccgca tgtcacggaa cttcacgga 329

<210> 13194
<211> 378
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13194

tgaagaggat gctntaatgg aggacaagaa agttagaacf ctggatcacf anatacaagg 60
aataaaaatgg gagagaatgg ggaactatca attatgtctc acaagactct cattcatcaa 120
agttacaaca tgtgtcacac atgcttctat ttatagacta agtagcttcc ttgataagct 180
ttcttaagat aacttccttg agaagcttcc ttgacataag tctcttgta agcttgagct 240
tatctactct cactcctctc aatactaagc tcacctgctt gagaaaacttc cttttaaga 300
ttccttaaga agcttagagct tagctactct tacctctcta atagctaagc tcacccctt 360
tagatgataa gctagagc 378

<210> 13195
<211> 233

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13195

tctgcaatgc tntaacatgt cctcgaa ggcgggggg atgtcggttga cgttagatgt 60
gcccggccgg catgggtcgc tcttggtttc tgccgggttcgg agggcacgggt cgaaggggaa 120
agtgggttcc tccgggttggg aaattttctc ggggaagccg aggttttac gaggttgg 180
aagttggaga gtgatgggaa ctacngngtt agggttgggt ggttgggtggc gga 233

<210> 13196
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13196

tgtattaaat gcatgtccct tcatgtaaag tctatgttga tatgttagtg tgtcttgc 60
ttcaacagag aagttacttc ttccatcata gcaagtctac aacaataaag cacactctt 120
gatgaggatc aatgtcttct agattgttga ttccatggat tcttcatttgc actttgacat 180
atccctagaag aatgcctttt gcatgaaaaga atcttagaca taagagtatt aaatgaagat 240
tttanatgca ctacttaaat gtttatcaa atcatcttgc gtgtgtatcg tttaaatatt 300
tgaatgcaca gagacagatc atcatctaataa aacatatcaa gacccaaacat ttattat 360
taattatgcg catctaataa aaataatcag gagttatgtatcg tcatcattaa gacttaacca 420
tttcttgact taacaacact actaatcaa 449

<210> 13197
<211> 381
<212> DNA
<213> Glycine max

<400> 13197

cttgctttagt ggcagtagca ccccacctga cgtcctcaag gtctcctgac ccctgcgaca 60
tatctgcagg taccactctg tggtaacaa acataagttag gaagacccac gctttctcac 120
atcaagctta ttggattatg gggcacccgt catatgtggt actaggtggc gatcgggcga 180
tggtgcaat taactctccc atttccacaa gtcaggcata agcacacccat tcccagttgc 240

ccacacctaaa attgagctca cgcaactccta cctagcctta tactcggtcc tttcaacaac 300
aggccccat caacgcctct aagcttcca atatccaaaa atcaatttca ttgtctgaa 360
381
acaccctaaa caaaaaacaa g

<210> 13198
<211> 366
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13198

tgcttctaca ttggatgcct tagtctcctt ttgcngtat gaattgtaga ttgattatta 60
ttgcttgtaa gaattattga tgcatagtgg aaatctaatt caagttgtgg attagataac 120
tggattagct tatctaaaaa tagagagtga accagtataa aagattgtgt cttttctct 180
cttgctcaca tccttcactc attcaagggtt taatcaactc attcaagttt tattcaaggt 240
ttgaaaacat tcaagttta tgattttga aataaggatg ttaatgaagg atcatgtgta 300
acgaaggatn gattaagtt tgattacata ttcatggaa tgcatcatta aaggttcttt
366
attcca

<210> 13199
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13199

tatccctaga ggggatggac ctttcaggt tntggagagg attattcaa ctcgacaagt 60
gcatcgatc acgcaagtag tataaacgg taagaaccga gtatcaaact ctcggngaac 120
ttgtttaact tggtaaagct atattcattt aatagggtgc tagtattaaa agatatgtgt 180
agactatgaa caggtatgta aactaactat taaaaggaaa atcacgtgag taatgtatgt 240
taaagacaac tagacaacac gttggcttc ctattaggtg cctgattttta ttaagatatt 300
ctctacttaa caatgctcat gtgttcaatg gcgtctcctg aaatgctaaa ccttgatntc 360
tcatgatagt ctgcctaat gctgatcaag catcgctcctc ggatctctt tggac 420
aacttgac 428

<210> 13200
 <211> 372
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13200

tgttactaag gaagaagttt atcatgttgt ttccctctatg atatcgata aggcacacctga 60
 acctgatggg tattagaaaa tatttttaa gatattttgg gaaaagggttg gagatgtatgt 120
 ttggagattt gtttagagaag cgattcagaa ggtatgttttgc atgtgttaggc tgctaagact 180
 attattgtcc taattcctaa aggtgattct caaaaaacat ttagagtgtg tttggataga 240
 gaattttaac aaaggaaagt aatttatcag agaatttana tttttctaattt ctagaattca 300
 ttgggttggat gtnttttat gaagaattaa atttttggaa tcttataccg gaatttaaac 360

 aactaaaatg tg 372

<210> 13201
 <211> 359
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13201

ctttcagccc acgtcggnana cccttccaac ccgaaaactta gccagcaagg ggcaccccgct 60
 caaccacaaa gggccccccgc tcaaaaacccg gctactacac aacctcgccct cgctggcatt 120
 tccaaaccctc cagtgaagaa gcttctggag tttgccctga ttctgttgc gtacacagat 180
 ttgttgcctat ctttgatcgc caaccaaatttgc gcgatggta cccttagaag gatttaccag 240
 tctcatttcc ctcgggttta caaccccaac gctacctatg cttatctggc gggtaaccccg 300
 gggcattcga tagaatagtgttgtggccctc aagcatgagg tccaaagttt gatcgacgc 359

<210> 13202
 <211> 328
 <212> DNA
 <213> Glycine max

 <400> 13202

ctcctacacc aggaacaact gttcttaggtt agcaaaggca taatcttacac ctgcttcatt 60

ggcccagagc ctttctcta gatgatccaa cttccatt tctgtcatag catgagggt 120
actacatgtg ggcacacgca ctaccgcgt acccatattc tcccttctt caacaccggg 180
tccccatcaa tccttccaaa cttccacaac attcaatcaa aacaacattc aaatagcaca 240
agctatcaca gcccagccaa acagatcaa tgcacaaaac tgtgcctaaa caccaccaa 300
aaacacagct tttctcaatt aaagaccc 328

<210> 13203
<211> 99
<212> DNA
<213> Glycine max

<400> 13203

tagataagat acctggtcct tagtcctatc ttccatata gtacatttc ttgtctgcca 60
tagtttatgg gatcagtagg tattactgaa attattact 99

<210> 13204
<211> 445
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13204

tgattcanat tagaagctaa ccacataaac taaaggatat tatgcaagct cattgtccct 60
caaatgaata tagaattaag agggttgcaa tgcaaattgc aagttccctt ttaggtaaaa 120
ttatttatca tttagttaattt atccttaaaa attatggta ctatttgaag gcttttgtac 180
actctagttg ttattcaatt ctcttcaaaa gttaaatntt caaatgaatt agcagaagta 240
ccttgcttct atgaagccca tacagtggac cagctaatac aagaaaccaa atttatgtga 300
tatggtcatg acatttacca tgggacacgt gacttcacac ttagtgttagt acattttca 360
tgaaattagt ttaaatcatc atatagaacg agcccttaca caacagtaaa cttgtgcctt 420
gatattgatc atgagttcga atctg 445

<210> 13205
<211> 360
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13205

atcacatgtg gttctangtg gttgtcgccc gatgggtgcac aacgggaatt tttcacatcc 60
aaaatgcgcg cataaaccga ccattccctg ttggccacct ccatctgagc tcacgtactc 120
ccacgttagcc catatcctcg tttctctcaa caccgggtgc ccatcaatcc tcccaagctt 180
tcacaacatc caagcaaaac aacattcaaa tagcacaagg tatcacagcc aagctaaaca 240
gagcaaaggc agaaaaactgt gccaaacacc aaaccaaatac acagctttc tcactgaaag 300
acccagtaac aatttcttcg gtccaaattcg taacggttgg atcgactcata aatttactgg 360

<210> 13206
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13206

gccgactaat ttanaatcat atttttgaa cagtaaaatc taattacttt ctaaaaataac 60
atgatttatg ggttaatgg gaccctagct ccatattaat atgaattgtt tgtagctaaag 120
gtctcatagg accattatgc aaggccaagt gggttggccc gagagcctaa gaccaaaata 180
acagctttaa atacagtaca agagatgatt gaaaaatagt gtaaccaatc atgctatagg 240
gaattaatag atgcataatgaaaccccttgg atgcttagtt ggaggtatag ccttgcaaac 300
aactgcttca agcattctat tcgaatcaag tttgacgcac caattgataa gttgataaac 360
tctaaacaag aatcccaaca cctttggtagt tttcatgctt catccaactc tgacagttct 420
attccatata ctatcccaat ca 442

<210> 13207
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13207

tgttaggatta tggngtaccc gtcataatgtg gtacttaggtg gcgatcgaa gatgggtcaa 60
atcaactctc ccacatccac aaatcacaca cgaacccacc atccccagtt gcccacattc 120
aactgagctc acgtactccc acgttagccct tattcctcgat cctctcagca ccgggtccac 180

atcaaccctt ccaagcttcc tcaatatcca agcaattcaa tatcaaaaca tcataacta 240
ccctaaacca aaccattcaa acacaatgtt agatgtaaa agttatttc atcttgttg 300
gttgctatag ccaagaggac tcgtcaaata ttatttagaga atatattgct aaacaatttc 360
taaacacctat gcactctngc gtgatccctc tatagtcaat tataatgaaatc ata 413

<210> 13208
<211> 229
<212> DNA
<213> Glycine max

<400> 13208
tatattcttt acgatcaagc atctaacata acattaatat tgcgctctct agatgaaacc 60
aacttcaaat aaatcttata aattcgata cttaaaaagt ttacttggcc actacacaaa 120
ctggatgcat aatttaacct accatcgaca ccataaaata ttctacagtt acaaaatgg 180
ttctcaatgg gcaaaatgac ttatatccgt atgggttcca ttcttgaaa 229

<210> 13209
<211> 287
<212> DNA
<213> Glycine max

<400> 13209
ttgtgttgta tccagaacat tcgagactat ctctttatc ttagtgagag tgattctcct 60
aacttctaga gtgattcaag aacaccctgg ctatataaaa ggactttcac aacgcttgc 120
tgttgccctc gccggaaaga gtgattcttt cctatcttc atatgtcagc ttgttcttc 180
taaccatcat tacagaaaat gcacttctgc ccagaattat ctcgagccat aactcccgtc 240
ttacgcactt aagttaagct atatttgtac ctaccttgaa tttcaag 287

<210> 13210
<211> 295
<212> DNA
<213> Glycine max

<400> 13210
taagtattta ttacctatac ttaacagaat atacttataa cactacaaa taaccataaa 60
ttggaagagt tatatacaat ttacacaagt tttatacaca aaagtttagtc gtattcaccg 120

actaacaact cccctaaatt tacagtttg ctgtcctca agcaaaaaga gaacaactca 180
ctgtcctca agtgcata acatgcagtg actatgtaca caggtgtatg caacaaaagt 240
tagtgatttc atgataagag aatgaagtac aatgccctga tcacttgtca ttcac 295

<210> 13211
<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13211

taggtgatt aggtgctcct aaagtagcca aaaataagaa ctacgatgta tcataaattt 60
agtttgcttt tgaaacagca aagaaattnt attgaatcat tatagagaca catgatttat 120
ttcccaccac atcgtctaga gtgttcaca gtgttagagt aattggattt ttgtaatgg 180
tattgtattt gtcttactct ctacagttt ttgttcttg ttgtacccta aaaggggcta 240
tgtatagggc aggctccctt atgcctgaac ctgtcacatc tattttctt attgtacttc 300
atcatatatt attaatataa gtcngtgcca agtgagagaa taactcttga gcactttga 360
tctagacctt tcctcttttag tcacagcttc atgtaaaagt cccctacctg taatattgaa 420
catc 424

<210> 13212
<211> 363
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13212

tgtcatcaag actgtcattt ctcgtggcac ttttggcact gtccatcgtg gaatttacga 60
tggccaagat gttgcaggta tactccacta cactacactc tgttgtttt ctctcacagt 120
tgaaaaattt agttgtcatt cgatgtgtt ctgaatgttc tcatatatgc aactatgtt 180
ttcacgaaaa caaagaagaa catgcatagt ttgattttcc ctccatttat tacacctgt 240
tgtttgacac cacatacatg tgcaaggggg gaagatttgc ttacttggag aagttcatgt 300
agttggtcct ttcacttac aatgtngcat aatgtgcaca tgcttccaaa actgtatgtt 360
gat 363

Q E P I A D P M G Q E

<210> 13213
<211> 454
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13213

tggtaanat aaagctcatt ctaacctatt tcactaagct ntactgtcaa tcttatgaat 60
catttgataa gtgctgaatt gctgatttag taagtgccta attaagctac ttacccaaac 120
aacaccttgat tattatataa cgaatgtaat aaataaatac aaatcatata atttcctga 180
ttactacctt tgcacatgacat actgaacttt ggcactaaga ctgaactcag acataatgat 240
acacatttcg aatacaagtc ataactgata atataatgat ntacttgaa cagtcatac 300
aaaaggctt acaagtggat ctttcataca aagcagctgc tgagtgcctg gccattgttt 360
taacggatat tggtaccaac ataaagctt cagggaaatac tcangaagga atcaaaaata 420
ctttgaagct ctcaaaatag atccacacta tgct 454

<210> 13214
<211> 414
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13214

ntgagggatt ggtcttgcc agtgaagga tcgatgtggg tctgaaaaaaaaa tgcaattttg 60
atcgctcctac taggacgact gaganaactg gggcaaataa agagggtgag gatgagggag 120
aaaccatgc tgtgactgcc attcctgtac ggccaagttt cccaccaacc caacaatatc 180
tttactcagc caataacaaa ctttccctt acccaccacc cagttatcca caaaggccat 240
ccctaaatct accacaaagt ctgtctaccg cacttccaat gacgaacacc accttttagca 300
caaaccataa acaccaacca agatgtgaat tttgcagcga gaaaggctgt ataattcacc 360
ccaaattcag tgtcctatgc tgactttgct ccatatctac ttgatnattc aatg 414

<210> 13215
<211> 319
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13215

gggatntcct tntagtaggg aatctatcct tcctaagaat gttccaaacc cagtcggcct 60
catataagaac tagtccttt ctcccttat tgcccttagt tgaatacaccc tatgttttgt 120
tctctatgg ggtcttaacc ctctcatgca acttctttac aaactctgac ctagattccc 180
cttctttatg tataaaaaaaa agtgtcaagt gggaggggaa tgaggtctaa ggggtttaag 240
ggattgaacc catagacaac ctcataaggg gattgctcg gggttctatg aacccccccta 300
ttgtacgcaa attctacat 319

<210> 13216
<211> 356
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13216

ggcatgattt acattctccc ctttctcaa gcaaattctt cttgacatca tcaatttctt 60
catgatttaa agataaaact ttgtaagaca taaaagattt tcataaaaat aatttcagaa 120
gatgaaaaca gatattgcaa atcaaacaaa gttttaaat aaaatcaaat tcaaacccta 180
ggtcagttga aaatagaaga gagatgaaag tagtaagaca catagattt tagtaggtt 240
gtctcaacca ctaagactac gtncatttct tagttaacca ttaagttcca ttaactttaa 300
taagttacag gtattaatca ctaccacttc tagctctaca actcaggctc tacccc 356

<210> 13217
<211> 301
<212> DNA
<213> Glycine max

<400> 13217

tccgttattca atttcgatcg tctcgatgtt ttacgtgact ttatcagaca tctgagtaaa 60
aacgttattg tcgttgaat ttgctgagag cttcaacatt caatttcgag catctcgata 120
tattacggga ctcaatcaga catccgagta aaaagttatt gtcgcttgaa ttttctgaga 180
gcttcaacat tcaatttcga gcgtctcgat gtattatggg actctatcag acatctgagt 240
aaaaaaagtta ttgtcgttt aatttgcacca gagctacaac attcaatttc gagcgtcttg 300

a

<210> 13218
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13218

tgttagccatt agaagagaat gagcatgtgg ttggaagtat gactggaaat gtttagtcagt 60
ttgtcagatt gattgtgagg gaatgcatta atcgatcca gtgagagtgt gatccttaaa 120
ttttgagaga aacgactatac atttagtact gatffffcg tgaatctctg aagtatggac 180
taaatgcatt aaattgagga tcatgaagac catgtttgat tgtgatagcc acttagccaa 240
aaagctgacc atgtgcttga atgaattatac ctttgatccct agttttagttt gaatgaatta 300
ttgattgatg gaaccctgag cctatacagt gttatctcct gctacccttga cttaggttgt 360
angagagcat catccacatg aagcatngt canagcaaatttgcctt 410

<210> 13219
<211> 451
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13219

gagccatcgatccatgctg catcagaaga ctaaganctc tcccctgacg gnggagatac 60
gagtagtgaa gtcaaataata gcacgcatac cagtgtatc cagaaagctt aaaggatgca 120
ccttatcctc accccacagt ggctgaaggt acccaagaca taagcgcgga gaaagagcct 180
caaaccggc cccatgttaccatc agccgcatac acacaagcaa tataggtttgc 240
tgtgacgaca ctcctgatatac aggccccaaag cctaaggaaa gctcatcaag gtgtacgtcg 300
aacccaaacc cacgcagacg atgcctgtca ggaaggacccat caccaaccat gagcacaagc 360
gcaagactaa tgtgctacac cagaacacac acccgctcgcc ttgagaatca tcaaacatgc 420
cagtgacaca ccccgccctt atcatacaca g 451

<210> 13220
<211> 331

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13220

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tcttctaagg taaatanttt ccagcttagag attatcttaa ctctatctct nggatcagtt   60
acttcatgcc cactttcaag ggtttggaaa taagaactaa catgaaaatc aaaacaatat 120
ggccctgtgt gcgttgtgag gtgtattgta tgtgactgta aatgaatgct tgaatctata 180
agggtgcac atatcctcta aatatgctat aaatagaagt gtgcgtgtgg cttccctatg 240
gccttcagca catgtattaa tttatggaat caacatataa tatatacaaa gagattggac 300
agcttttcta ctctaactag ttttatatta t                               331
  
```

<210> 13221
 <211> 449
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13221

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tgaatggaaa acaacatcgc ttttaggaagc attaaaaaaca cgtataaccc aagcctgtgg   60
ttgttaacaa catcgcgta gttacaatc attcataacg ataaaaaaat atacaataat 120
ataaggttt agtttgtgtt gaggaattag atagacacat acgtttgtgc tgcttccttc 180
aaattttccg catcaaagta cagctacgta tttgttccgg ccattatcac gttagcacta 240
tcaatgttc actaatcaat atcaaagtgt ttataacata aggtgtgata tttataattg 300
agtaatctat atctttctac aaatntttta agatataatc angttgtatt attatgtct 360
atttagtttata tataaaaagt ttgtgcctac tctggaggca aggcatcaca cactttgatt 420
gcttgggtag gcagcttcta atcctaaat                               449
  
```

<210> 13222
 <211> 423
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13222

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ntagttcaact acttcaagta gtgcacgatn tgcttccaga tgaaaaacacg ttgccaaaaa   60
  
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gttattatca caccagaag atattgtgtc caatgggtat ggagtattag aagattcatg 120
tttgccctaa tgattgcata ttgtacatac atgagtnca agatatgcac aaatgcccta 180
ggtaggggt atcatggtaa aaagtgaagg atgatgacga gtgttagt gacgaaaact 240
caaagaaggg accccaacg aaggtattgt ggcatttcc catcattcca aggttaagc 300
atctatttc taatggagat taacggaaaa aaccttacat ggcattgcana tgggtgaaac 360
tacgatggaa tacttcatca ttccggctgtat tccacccagt ggaagaagat tgattgttat 420
atc 423

<210> 13223
<211> 393
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13223

tgctctanan tacattgtatg tttgtatTTTA tggaggagg ttgtatgcca ttnttgTTT 60
aagagttagtgc tcccactggt aaaactaact ttccaaatgt ttgccttcgc aggaaatggc 120
cccgaggaag ctgcctcaa agaggtccag gaaggacaag acagccgaag gaactagttc 180
cgctccggag tatgacagtc accgctttag gagcgtgtt caccagcagc gcttcgaggc 240
catcaaggga tggcgTTTC tccggagcg acgcgtccag ctcanggacg acgagtatac 300
tgatttccag gaggaaatag ggcgccgacg gtgggcata ctggttactc ccatggccaa 360
gtttgatcca gaaatagtcc ttgagTTTA tgc 393

<210> 13224
<211> 384
<212> DNA
<213> Glycine max

<400> 13224

tctaagaaac agaagagaga ttcaagttgaa aaacatgcgg ctgtgagatt gtcaagctgc 60
ttgagactgg ccaagaagcc acggctcgaa ttatggata catgatttcc atacagtcaa 120
ggTTTAAAT tgcggTTGCG gtttcatcgt gtcactttag attgtgctcg cattgcagtt 180
gtggacccta aaaagaacct gacattgttag caaaaatcat gggtgcaggc cgTTTATAAA 240
accttgcata tggatgttttag tgctgcaact cttctattt agaatattt accaatggct 300

tacgacatat agaatattct tctggtaatt tttctttgggt agcacaggtg ctgatgtggt 360
catctgtgca tgtagaacat atta 384

<210> 13225
<211> 432
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13225

tagctacaca cacccctcta ataactaagg tcacccctt gataaggctt cttgtttata 60
ttcctaaaga agtttagagct tagctacaca cacacccat gccaaaatac atganaat 120
aaaaaaaaag tccctacaac aaagactact caaaatgccca tgaaatacaa gactaaaacc 180
ctatactact agaatgacca atatacaagg cccaaaagaa gataaaaactt attctaata 240
ttacaaagaa gagaggaccc aaccttggtc catgggctca gaaatctacc cctagggtta 300
tgagaacccc aaggccttct ttagcagctc taacccaatc ctcttgaagt cttctatctt 360
atacncttgt nggtaggat tgcattaacg ttgaccaaac caaacccaaag agcatagaaa 420
atctatttaa at 432

<210> 13226
<211> 312
<212> DNA
<213> Glycine max

<400> 13226

aactaaggcat aactgatagg gagatcacca ttcacattcc agaaaataca ggagctttaa 60
tagtacagaa aatgaacagt gagagtatca ttataagaaa cagtactgct gatcagcaac 120
taacaaacta atggactaac taaccatcta acagaataaa tgcgactgaa attacgggtga 180
aatgacaaac ataaaatgta ctggcttatac tctaataagc aagggattga aagcgctact 240
atggataatt gcaaataatc gatgtgatca taaatgccat actatatgtg aagtgtcaac 300
attataaccc tg 312

<210> 13227
<211> 274
<212> DNA

<213> Glycine max
<223> unsure at all n locations
<400> 13227

ctcctgaacc cttcttaca aaaattgttag aactttntg gttactctaa cgttatgctc 60
gagtggacgt tagtggcgac tcttacttat tttcttccta tgagacgaac atgctatctt 120
atatttgctt tcgtcgtacc gtactatggt aagttgcgac aaccatctat aaatatgtat 180
ttattcgctt tactatgtta aaacgattga cgtttctaag atgggtcttt cacaaaaccg 240
tcttataaaag tagctatact acgacgattt tctg 274

<210> 13228
<211> 333
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13228

cgaagtgaga cagtgtggaa gagacagncc gcctactttt atttgacgac catagagtgg 60
tacgtggaga tatgtcgcgt gagtcacgat accttggggc cgctccgtgg ggtgctattg 120
cccaaaacca agcttcatca atcctgaccc aacccgggca taatcagtca tggagaacct 180
gtgacgtacc taaacacgac agctcctggc agtcaaccaa taaaagaaca aataccacaa 240
agcaaggatg ctgtgtggc ggctggccac ctatggatct tgagtgatat ctacaatatg 300
gcctctcgta atcgattacc accggtgtgt tat 333

<210> 13229
<211> 395
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13229

tattaagaaa atcgccgat cgtagttcg attaatatta atttgagatt tgattcttt 60
atataatgtc tcgatataaa ttgtatggat aaaaaaaaata cgataaaaaa taaatatttt 120
tatatactaa ccaatataat gataaaaaaag aaaactcatt aattatttt atagacgcat 180
tattgaatga catcatagat tttatatac taagcatttt ctgatacatg tttgtctgtt 240
tttttaacat attcttggca tgagccgagc caagccaaag ccaaacgagg agccacgcca 300

ctaacatctt tctcgctgaa acgacgacaa ttaanattat ctaaccttca cgccagttcg 360
ctgcatccaa cgagaacagc gcgactacaa ttaga 395

<210> 13230
<211> 313
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13230

tgtatatcgat tacacacata ctgtaatcga ttaccagaag attttttca ganaacattc 60
tcaacagtca catcttttg tgtggttctt gaatgagttat cataggccta taaatatgtg 120
acttgagaca cgaatttgat aagagtttt cagaacaaaa aggtcttatac ctcttataaa 180
gagaaatcgt tttatcctct tacaaattcc ttggccaaat tacttgtat tcaataagga 240
attatttgaa tgctcaaatt gttcaatcta tcttttcaa gagagatttc ttcttctctt 300
cttcttcatt ctg 313

<210> 13231
<211> 382
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13231

tatttgtaan tttttctctc tttaaaatga gaagcttaggt tttatagatt atttatttat 60
ttatttaaaa gctcttaaaa ttataatgag cttatattta aagaagataa aaatagaaaa 120
ataagctctt taaaaaagct cattgaaggc gctttgacc aacttaagtg agctctttg 180
aaaggagcac acttcgaatc ctatctcacc cttttttat gcttattttg tttctcacca 240
tcacactata ttggctgat atgtatatac gctgatnctt tatttgattt tcaaattgca 300
aactaattga ttctgtatatac atatataatatac atacacacac ccacacacac 360
actgtcaatg ccaaaaatac aa 382

<210> 13232
<211> 359
<212> DNA
<213> Glycine max

<400> 13232
tctcccgcaa ttttctataa atagggggag atgttaagta taaaatggtt cagccccta 60
ggcacttctc tctctttga atttgcttag gaaaattgtt tccgtgaaga aaatccaagc 120
cgaggcactt ccgtaacgtt tccgtaacgt ttgcgtgagt gatttcgcga aggtttcga 180
cgttcttcat tcgttctaca tcgatcttca gccttcaacg ggtaagtacc tcaaaccaag 240
ctttcaatt cattctatgt acccgtggtg gtccacattt tgtttcatgt atttttattc 300
tcgtgttcat ttacttatta tacccgctt tgatgtgctt aaaccattta tttaagtca 359

<210> 13233
<211> 384
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13233
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acatcgacac atgagctgat cgaataatgc ctcangatta tcaggagtgt cacacnaaac 120
tagctagtat atgtaggttc ttgacgcattt cgccgcacgg atcagtcgta gtttatttac 180
acantttatg ttgaaattcg atctctatgt taggattgcc taatctaact taatggatga 240
tattaagatt gtgatcaact cgctgcctat taaagtaatt tttgaaaagt gttttttaaa 300
tatgtttaa atcttaatta tcactatact atgtataatt ataagcacct ggttgatgtc 360
gtctagatga tcgatccaat catg 384

<210> 13234
<211> 391
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13234
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tcattcctag atcatagatc tattgagttc tctatttcag atcttgaatc aaaaatgtca 120
tcacacatga naatgggtgc atacttggta actgcagttt gtttggtcaa taatcaataa 180
tataacatct ctcagaaaga gatcgaggca aaggctcac ctgagataaa caagtgtaa 240

atcctgcata atacgttaatt ggattttact tccataaca gcaaataaca ttttaaacct 300
ggggagcact attacatatt tacattgcac atactgtaaa aatcctaaag gcgttcctag 360
actatcaatg atacgaagca ataggatctt g 391

<210>	13235
<211>	458
<212>	DNA
<213>	Glycine max

<223> unsure at all n locations
<400> 13235

ctaatacttc aaagataacc aattcaagct caaaggtaat tatgtaaagc aagattaata 60
tgtactaaac aagcatgcct agctctaaac aatcaataca atgtcacacc tattaaatat 120
gttntggcat ctaaaaatatc aaaatcaaaaa ctaaaaaaaga tgagcttca atctacaatg 180
cattcggtat tgtattaatt cacatgctgg ggtggcatgt cttttaggtt actactctga 240
tctataactat tatgcattaa gatntgtacc aatatgtgcg ctcaccaaattt gggatattca 300
tttaaaatcc tttgtgttat gaaaaactgaa aattaaactg ctttttatat gtactatnga 360
aggggcanng tgaaaagcgca tctatatata tatatatata tatatatata tatatatata 420
tatatatata tatqaatggg ttaaacaact gaattgtt 458

<210>	13236
<211>	413
<212>	DNA
<213>	Glycine max

<223> unsure at all n locations
<400> 13236

ntgagggatt ggtcttgcc aatgaaagga tcgatgtggg tctgaanaaa tgcaaattta 60
gtcatcctgc ttggacgaat gaganaactg gggcaaatga agagggtgag aaagagggag 120
aaacccatgc tgtgactgcc attcctatac gaccaagttt cccaccaacc caacaatgtc 180
attactcagc caataacaaa cctcttcctt acccacccgc cagttatcca caaaggccat 240
ccctaaatca accacaaaagc ctgtctaccg cacttccaat gacgaagacc acctttagca 300
caaaccataa aacaccaaca anaatgaatt ntgcagcaaa tagcctgttag ggttcacccc 360
aaattccgtt gtcatatgct aaacttgatc ccatatccac tcanntattc aat 413

<210> 13237
 <211> 412
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13237

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tgtaatgcat gttcatacca catcttatca ccotcacctt gcccccaata tatacgcatc 60
ttanagagta tatcttcattc attcatagaa tttgctttat ttaccaacat ccaaggttca 120
tataacctt tgcttttta attttgatat gaatatcctt cgatatgtcc cctgaattcc 180
tacaatcaca atcactaatt gatttacctt ctttgtcatt ctcttcagt gcatgttgc 240
gtcttagcctt cgatccactt cctttagagc ttgctaattt cgagcaacca atattggcta 300
gacaaaactag tttctcatga caaatatcct atcgtggacc atatttctt cataagaaac 360
aaaccaagtg tacataaaacc ttcatattta tgaggaaat atcactccat ga 412
  
```

<210> 13238
 <211> 438
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13238

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tgcatttggaa attgcgaaag ccccactcca tcattaggat ttgtacactga catctcaaacc 60
aaacaaatca aacgtaacaa gacaattata gttgctgttt gaatacctca cccactcaag 120
tgtatcacac aattatggct tttctctaattt gaaacactct tgcctttac cactctaattt 180
cccctttgagt tcttaagcaa ttcaagagat tatggccaca acaaagaaca attcaccaat 240
atgtgttaagg taaggctaga caaggaaaag gttaaccaag aaaaaggcta acaatgtttt 300
taggcacaaa tgaaggaaat aaaattcaga atttaggaat tcaagtaaca atccttcattt 360
caaccaatat attaccttan agagttttt ttnttaagtt cttcaagcat gaaccattca 420
gccccaaatnnt tttttttt 438
  
```

<210> 13239
 <211> 358
 <212> DNA
 <213> Glycine max

POLYMER
SOLUBLE
IN
DMSO

<400> 13239

tgtaaggcta ttacagtagt gtacaaccga attctttctt ctcataaaaag aaagaaggat 60
aaagggaagg tagtggttgt tcctttaaaa attaccttct agcggagtagt ttataatgta 120
tatgatctta catggtatct atttgctcta gtgagtgtat acagaacaaa gagtcatttg 180
agcaatatat ttcaccacct ccaaactgca aagtttgtta tgtcccatct cattctccac 240
aaaatggctcg ggaacagttt acagcatgct tgtggatacc acatttggta tattggagaa 300
ttccttctta caactatgac gcgcataat atttgtggct gcctcatcac tttggta 358

<210> 13240
<211> 425
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13240

tctatataag ctgaaccatt ntatcaataa acacaagttg agtttattc agaaaattag 60
agtttatctc ttttatctta gtgagagtga ttctcctaaa ttcttgagtg attcaagaac 120
accctggctg tatcaaagga ct当地cacaac ctttgcgtgt tgccctcgct ggaaagagtg 180
attcttcctt tc当地atcattc tccacccttgc ttcttcaaa ccacaattcc agaaaatcca 240
cctctgccca aaattatctc gtgaccataa ctcccatttc acacactcaa attaagtgtat 300
tcttgagcctt aaattgaatt tcaaaacgag accttcacc tcgtttggta atcacctcat 360
ttggagccctt gtagcttcc gtattgccat ttctatattt ctgtccagcc accacttaac 420
ctacg 425

<210> 13241
<211> 359
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13241

tgagatgagg aagtgttcaa gggtaact tcttgcttat attgttgacc acagagtggt 60
acctggagat atgtcgcccc ggtcaggaga cttggggac gtcaggtggg gtgctattgc 120
ccaaaaccaa gcttgaccaa tcccgaccca acccgggcat agtcggtcag tgagaacctg 180

tgatgtacct aaacaggcgca gtcctggca gtcaacagat aanaggaaca aagaccacaa 240
agcaaggagg cttgtggtag ctggccagct gtgaaacttg attgataatgt gagatatgga 300
ctctggtaat cgattaccaa tggtggtaa tcgattacaa gggcttataa atgaagaca 359

<210> 13242
<211> 347
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13242

tctcaaggag gtgagcttag ttacgaaaagg gtgcgtgtag ttaagctcta tcttctcaag 60
gaagtttct caaagaatct tctcaagaa gtttctcaa gaaagcttct taaggaagct 120
acctagtcta taaatagaag catgtgtaac acttgttgc actnttatga atgagagtct 180
tgtgagacac aactcanagt tcaactttt ccctttta tccttcaatt tcttgctcca 240
ccccctcttc tttctttcc tctttctatt cctgcattga agcatcctct ccaagcttt 300
tatgcaacgc tcatcttggt ggtgaaactc cttcttccat ggcttat 347

<210> 13243
<211> 425
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13243

gtgtgacaaa aaaaaaacac tnttatgata tcactttct ttttaccttc taaggatagt 60
actaaaaaaaa atttcctcg agtttagct tatTTaaaaa aaaattaatt aaactttta 120
tcactgtaca tgacacacat gttaatcta gtccttgcac aaaaagaaaa gatttccaaa 180
tcagtccttg tatattaagg ctacaaaaac aaatttagtag ctacaactct gcagttctct 240
gctgcaccat cacaaatgct gaattacaaa ttgagcacaa gacagaatga accaaactag 300
attgtccttc ttatntgtaa tcttcatang acatcgttag cctattattc ttattccaga 360
cattccaaaa aatctgcttg tgttaattct tttgacattc aagcttgcata tggctgcaca 420
cactg 425

<210> 13244
 <211> 327
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13244

tgcacatggat ccctgtaca aattatttga agnnagtgc ctaatattt aagggtacgc 60
 aaatatgaag cgaaaacgca cgtggaggga aagaagagag ttgttatata aactgcacca 120
 aattgtcata caatgagggt tgaacgtcta agagtgttct caagaagggt gataagagag 180
 ttcacatgg tgcactggc gacatgggtt gagtaaattt cttccaaat ctgttcatcg 240
 gacatgcattt gatagtggct cctgctcatt ctcagcattc tggaggagag acttggtaga 300
 cattgacatt attatgctca tctctcg 327

<210> 13245
 <211> 376
 <212> DNA
 <213> Glycine max

 <400> 13245

gtcttggaaat cgtacattaa cagctctaat atacaacttg agatcttctc cttctacttc 60
 tccactcatg attaaaatat ctacaagaat cgcgttagaa gtgatcgtaa ataggccata 120
 caatatcctc acacaaatac tctcacgtgt atatactaaa ttctttcac ccgtgtgtca 180
 ctcttttgg atctttccct ctaatagttt caccactttt gccttataacc acccaacttc 240
 tacttatgaa ctctaaagta agaacatctg cggttgatga tacatgacaa taaacaacaa 300
 ggagtccatg ataactttat tgagtaagat caaccataga gcaaatcgag aatagcgaat 360
 tcgacacaag ggattt 376

<210> 13246
 <211> 348
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13246

ntttgtaca taagttntgt acatcacatt atatgtattt gtgttagtca atgaatacga 60
 ctaacttttgc tgtataaaac ttgtgtaaat tgtatcaaac tcttccaatt tatggttatt 120

ttgttagtgtt ataagtattt tctgttaagt ataggtaata aataacttagt acttccattt 180
tgtgtgttta ataatcattt tctctcaatt tcaggttaat taggcaagct ttgaaaatgt 240
tgaaaaatgt tgaaaaatgt tgaaaaatgt tgaaaaatgt tgaaaaatgt tgaaaaatgt
tgcgttcac taagcgcaac 300
actcatggc taagcgcgag gaagactcta gaagaagatg agctgtac 348

<210> 13247
<211> 294
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13247

cttgcttcta caaatatttc tgcctgctgt tattaacaaa aatcaacatt tcactctaaa 60
aataagcatg gatgttgct gcttaatta caagggaaaa atcacagtcc aaattgacaa 120
tactctgcaa tttgcacacg tttctaaaaa ttaaatgtct cacctgcaaa actgacatga 180
aatgaanaac tcataatctc tttgttcaact ttgaaaatca tcatanacgt ttgcttctt 240
aattacatgg gaaaaatcac agtccanatt gacaacactt tgcattatga gttg 294

<210> 13248
<211> 418
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13248

tccatcaggt ggttggccca tttcttcttg actcanattc ttcaaggat ggcaccaatc 60
ctccttccaa ttcccaatat ggcaacccaa aaacaaggaa acagagacaa gcaataacca 120
aagacaaaaa aaaatgaaat gaaagctaaa ccaatggagt tttacaaga caattttca 180
aggattattc aacaattaaa tcaatgaaaa ggacatagaa tcaagctatg actcaaagag 240
aaacttagaa tggctctaga gtagagtaaa anaacaaaaa aaaaaagact caacaaaccc 300
ctagcttgg cacttgttt cacagtaat ttaaattgaa atttcggaac taagattgt 360
ataacatagg caccaattat agaataattt ttgagacana acaacaagca cacttccc 418

<210> 13249
<211> 292

<212> DNA
<213> Glycine max

<400> 13249

gacctataga aactcaagct tcacatggag ctacatcatg tggtatcaga gctcaccatc 60
aataacttgt ggtttacaa tcaccaccac caccaccatc aatgtctctg ccaccatcat 120
tgtccctgcc accaccatca ttattaacaa taccacctct gtcattgccca ccacaaccac 180
taccaaggc attgcaacca ccaccacacc gccatcacca atatcgctac ctccaccacc 240
ccaccatcga cattgctacc acccccacta tcgctgccac cacctaaagt ga 292

<210> 13250
<211> 446
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13250

ngatgtcatt canaacacac tatgtcgacc tataatgaaga ctatcatgca ttgttatgt 60
aattgtattc attatgcgt ataattgtt gtaaccgtt actaaccaat taatattatt 120
aagtactcgt ttggtaagc aagaaaattg ttggcccaac aaaaatcatt tacgcgtgca 180
gcatacatca ttgtcataat tgacaacaca taatgacatg catgcgtatt atagtttgac 240
cgcgacaaca cattggctga cttgactaca cattctgaag gaaacataat cacgaaacat 300
gttcacgcgt tgtctattat ttgtaaacaa agttaagcaa tcgctcggtc acaaccatct 360
atatatatga cagacacggc taataaatca cacattatct tatttcaaa tagtctccc 420
attgatacac aaagtatgac attttt 446

<210> 13251
<211> 389
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13251

tganaggaaa caccactgtc gttgtgaaca atgtatccat ttggaaaaat aaaaccta 60
gtggagttca caactgtctg actgcttgc tctcccaaga attccatagt tttttgttaag 120
acttgggttg atactgaaac ttgtgtttc ttacagggtt aggttgcctt atatata 180

atgactntta atatcagtgc tgcattttt taagattaaa aatacgcacg cacaatgttt 240
ctgtatgtgt tgtcaactac acgaatgacg tgacatgctt tagcttgcat cagatctgca 300
tgtgttagtca tgggtgtgcag ggtccttca cgcgctttta tgtaatgcag acnnacaatt 360
atcatacacg atttttccac atgtgttagt 389

<210> 13252
<211> 394
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13252

tatcctcaaa gatataatttt ataagaatta aattcaattt ctctcattct tgtttatga 60
taaatttatg tattttattt ttaaaaattag aattctaaaa acatatcctt tttagattga 120
agaatgaaat tcaactaacc tgcacgaaga ataaatgatt ctcattaca ataaattaaa 180
ggtataacttt tttaacaat aatacatctt ttaagttcat atttcttata attagaatca 240
aaataataac tctcttttt tttaatgag agagtagtt ataaacacag acatccaata 300
acataacaga gcagcacttt aaagtggaaag acacttgtcc ctaatttcc gaaagatgcc 360
atgattctta cgtggaaaag aatatntcct ttat 394

<210> 13253
<211> 396
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13253

tggacttcct atattntng aacctctcct tcctcatgtg tacccaaacc caatcacctg 60
gttcaagcac gactttctt ctgctttgt tggcttgccc tgcatacgctc gcattttct 120
tttcaatttg agccttcact tgctcatgca gcttcttcac atactcagct nttagcgtgtg 180
cgtccttatg cttaaacata gcaatgttag gcataggcaa caaatcaaga ggagtcaaag 240
gattaaatcc atacactatc tcaaattggtg aacaatttagt tgcatacgctc acagccccat 300
tataagcaaa ctcaacatga ggcaaacatg cttcccaaga tntaaggttt ttctttaaaa 360
cagtcctaag cagtgtaccc aaagtcctat tgacta 396

<210> 13254
 <211> 435
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13254

gcttcctaga agagagtagg gggaccctng gtgatggttg tccacatatt agtcgctgta 60
 gtgctaagtg ttttatatga tgaaaatcct accggccaga gctaggtgcc acccaggaac 120
 ctatgggcta cggtgacttc tccctacaaa atgtcttctt tctaggttaag taccacatac 180
 aactcccaa gctcctggaa ataaaaattat tgcgtacata tntagattaa agtttctaaa 240
 tttatagttt taatattaatg taatttacag agtataaaaa tgctacttaa ctcataattt 300
 tataaaaacta agttttcatg ccaaagctnt atgtgcaaat gtattttga gagtaatcaa 360
 acgtgtcttc aaaataagtt tatctttaa actgaatntg ctccaacaag ccaacatagc 420
 ccatgtgtta tggct 435

<210> 13255
 <211> 406
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13255

tatctattgt gtggctgggg gataatttaa ctctacaagg aaaatatcct actttgtatt 60
 taataagcaa tcagcagacc tttctatttc tatttttac acattaaaaa ctcaaacata 120
 taaaatataat aacaaactaa caaagataaa gacaaaaaaaaa aggaaatata aactcacctc 180
 acttgctgct gctgcccattc atttcactct cacaacaaat aggaatcatg taccttcattg 240
 gacggatcca cataaaagctc taaggagatg attgctccca ttaagatatt ttttgtactt 300
 aaatataat aataaaaaaaa ttactntcca aattggccca tatgtctaatt tcaatcaccc 360
 gcacaccttt cttcagtgca tntatgatgg ggacgtcaact gcagtc 406

<210> 13256
 <211> 352
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 13256

gcttaacaat caatttcgag cgcccttgata ttntacggga ctcaatcaga catccgagta 60
aaaagttatt gtcgtttgaa tttgctgagt gcttcaacat tcaatttcga gcgtctcgat 120
atattacggg actcaatcag acatccgagt aaaaagttat catcgttga atttggtcag 180
agcttcaaca ttcaatttag agcgtctcat atattacggg actcaatcag acatccgagt 240
aaaaaggat tgcgtcgaa aaatcctcaa agcttcggta ttcaattcg agcgtctcg 300
tatattatgg gactcaatta gacatccgag taaaaagtta ttggcggtt 352
aa

<210> 13257
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13257

tgtagaatgg ccagacatga tacatgtcag gttttgggtt gttcaaggg taaaagtat 60
cccccacatt atttccatga cacagatgca aaaaatgatga tttggaaact ttatgcaaaa 120
ctggtcatgc atgcacccat gtggacactc aagtgtcaaa tttttatgct catgtgatgc 180
tagggctcag gattcattcc ctctattta gtcaacccaa tgtttccaaa atatgttctt 240
ttatccattt gtgcattcat ccgagttccat tntggcggtt cggggaaatn tcactgcgtt 300
caccccttcgg gtgtacacac attttttca aaaaaccagct atgatccgcg aatntccan 360
agaagagttg gtatgtcatct cttttcaaaa gcatgtcgng ttttcagcta aacaacttat 420
tcttggttcc ttttcc 436

<210> 13258
<211> 358
<212> DNA
<213> Glycine max

<400> 13258

tgcatgagag gttcccttgg ggaggaagtg ttacacccct ccaatagcaa agtcacccc 60
atggaaacac acacccctcc aatagctaag ctcaccgccc cccaaaatac aaaaaaaaaaag 120
accctactac aaagactact caaaatgccc tgaaatacaa ggctaaaacc ctatactact 180

agggtaccct taacttgtag gtaggggtgt ccttaatttg tagggtaccc tacaaaccta 240
aaattgacca aaatacaagg cccataagat ggaaaaccta ttctaatatt tacaaagata 300
atgtttgcata tacttagccc atggacccaa attctaccct aaggctcatg agaattcct 358

<210> 13259

<211> 435

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13259

gctgaaggaa gaaagagaga gcttcggat gaggtgaaac agtttacaag gcgaaaaaca 60
gagcaaggaa gcaaaagcct tagcttttag gaggatctta ggtttaggag tgatttctag 120
gtttctagag gtggaggaga catccccacc actgtgtaat ctattatttt ctggaaaat 180
ccccctttta ctgtgaaag gtgtgcctt gtgtatgaaag gttaaacccc ttgttggga 240
aattctgttg agaacttgat gtaaattctt atcctatcta tttgaggta ttntatgtg 300
ttcattgctt atatctgtgc ttaattact gcatgttatt ggtctgtatca tccatttgt 360
tgtaaagtta ggattttat cattggaaaa ttgattaatt cttagaactg gatagagcaa 420
ggcttagataa ctaca 435

<210> 13260

<211> 370

<212> DNA

<213> Glycine max

<400> 13260

tcaacatgtt aaacatcgct cacctactga aactatTTAA ttattcaata tcctcggtac 60
gaccaaaagta tacgtataat ataaaattaa aaaaatgtac aaatcaaaga cagtcctaca 120
tgtaattca gtagatttgaaaataaaa atatgtacaa tataaagaca gtgaataacct 180
gcatataatt actatacatg ctaattttt cacgttacaa tttttgatt aaacataagc 240
taaaattata acttggaa tatatatata tatatatata tatatatgtatata tacatatata 300
actcaccgtatgtttggaa tttaaaaata aaatcgtaa tatattctaa gaagcctata 360
atgacaatata 370

<210> 13261
<211> 439
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13261

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atgcaaaacgc acgttatctt ctagcnaat aaattgttta ctaatgtaaa aaggttaat 120
tactctgccg tccctgaact ttactaaat tctgtatga tgtgcattnt aatatanttt 180
ttattcaggc tangcttgat tggacttaag aaccgggtca atgttgcattttt attattatgt 240
aaaaccaatt ttaagattgc cagtatttan actaacaaggc ataattttt aaaattttt 300
taatcgattt gaaaatttac ttggaggtt acaaaattac ttattaaattt gctatagttt 360
catttataaa ttcatattttt aagacttaaa taatttgtaa gtcttgaact gtttgcattttt 420
atttatattt tctctggat 439

<210> 13262
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13262

tacaagtgc caaaccaaga attgtctcat ttgtacaacn cttagtatan attcagcaaa 60
ctnaaagaca atggtnngaa gagctcaang agcccaagag tttatactca agatgcaact 120
atgggttggat gtttattttgg atggattaca tagcattttgg tctaaagaac taattaaggc 180
ctattttcta ttttcctttt aattttcata ttttatttttc atgtataaaat ttcatatgac 240
tattgacatc tttgagggtca attttatgt ttttaggctt cccaaatgtt tttcatgtaa 300
taagttcata tgactattga catcttgan ggtaaattttt atgttttagt gcttcccaag 360
ttattatagt ggttagtggg aattaattct aagtggataa atttcttaggg gatgtt 416

<210> 13263
<211> 419
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13263

tgactaggcg agttgattnt agccttagtt tcacttttagt tattagtcga ttcaattaag 60
aatgagaaaat cccaaagaga aaacatccga ttgattttc gctttatTTT actaaaaggg 120
tatTTTTG attattatat tattattta cctttttt gatttccaac gtggttacgg 180
cacgaccgaa cggtcggaat tcattttAAC cgaardttAAC ggatgataca attcaaACGA 240
tcagtggana ttatTTAT tttagatta ggcgagaaaat gacttaaATA aatgactaaa 300
gcatgtcaaa agggggtata gaaagcgaat ganaacgaat ataaaaatac atganacaaa 360
atgtggacca ccacgggtac atagaatgaa ttgaaaagct cggttgaag tacttaccc 419

<210> 13264
<211> 385
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13264

taacaacctt aganatcaag tgatcataaa ttccgaaata tatgggagt aaacgtataat 60
acaattgttt gttgcttgct tgaatcttga ttccaggtat tgtattgtca tcatcaaaaa 120
gggggagatt gtagatgcaa ttgccttga tggggatg atgatcatga tgatgtgtta 180
caattgatgc aaatgggctt ttcaagatta aattcaagac aatacttcaa gattacaagt 240
cacaacatca agatgatcac tagaatatta ggaagggaaat tcctaattga attagcanag 300
gtttggccaa gtgatttaaa ttAAAAAAGT gtttctcana gtttntactc tctggtaatc 360
gattaccaga ggatgtaaatc gatta 385

<210> 13265
<211> 399
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13265

nngatttgggt ttagacatga ttgatacatg atttgggact tgttaggattt gatttggca 60
agattggatg agggaaagtg tgatttcaa aatctgcact tatgcagaat ttgctgtca 120
aaataggtgc agcaggattt tagcttggtg cagaaaatgc ttgtgtgtgg ttggctggng 180

aaagagtat atagaatgag ttctggatgt ttgcttagtag atcccaacgg tcacaatgta 240
ggcttgtgca ctatagactt ccagtaaaac tttggagtcg atccaaacggt taacgaattg 300
gatcgaagga attgttactg tggctttaa gtgagaaaaag ctgtgattnt ggttgatgtg 360
ttgagcagag ttttctgcct ttgctctgtt ttgcttgct 399

<210> 13266
<211> 183
<212> DNA
<213> Glycine max

<400> 13266
cgtaaatctc cacgtgtcaa cgggcttgtc agccgtgatt gacgaaggc gcagaagacg 60
acgttagtct ctgcgtgcta tcatgcttt cgtcttacag acaacaaaaa gtttatacgg 120
ataaccactc gggtatttcc gcccgtaac gtgactcaa agtcagaatg acagaacttg 180
tga 183

<210> 13267
<211> 337
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13267

ttagagtctt tgattcatca taagcatcta caccttcaa tccctaaatg ttcaatgttc 60
atagtctgtt atctgcattcc aagtgaaaagt ccaactatta ctctcgttc acgagtctt 120
gatccaacaa attacaattc atggagcaga tcaatgtta ctgcttgag tgcaaagaat 180
aaagttgagt tcgttgatgg aaccattaca cgccacaaccc ctttgatatc taatcattt 240
tatatgatgc ttgaaagaga tgcaatgatg aaaccctaat ttgtggataa actnttcagc 300
atcaacaaac tanggaacct atntaggact ctctgaa 337

<210> 13268
<211> 306
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13268

agctnttcgt cttacagaca gcananaaga atgtntatac ggataaccac ttgngtattt 60
ccgctcgta gcgtgactca natgtgagta tgacagatct tgtgatcgcg gaagatgacg 120
taaatctccg cgtgtcaaca ggcttgcga cgcgattgac gaaaggcgca gaagacaacg 180
ttagtctctg cgtgctatta agctttcgt cttacagacc gccaaattaa tggtaacc 240
gataaccact ctggtatatac cgctcatcag cgtgactcac atgtgagtagt gacacatctt 300
gtgagc 306

<210> 13269
<211> 589
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13269

cacctccac acccaactcac tacatgagcg aacaggtcga tgaccacag tatgggtata 60
ntaaacaanc nagggtacag nnntnnnnnc ttgagccata gtagnccggc gaanncccnc 120
cgaccaggatgctctaga ggcgaccgc aagcatgcaa gcaagagatg gtctaatctg 180
catattgcat taagcgcggg agcaagtcat ggaagtatac gccacgaaaa tggtaacc 240
gagcaagaga agacaaaagac cccacaaaaga atgaatgaaa caacgacagc caatagattc 300
gataacgatc ggaagaagaa cctatatgtt tgaaacaaac gcaagaacaa gtaatcaggg 360
cctaattatg actgatggca ggcataaagg aatcgacat cctaattgcac ctccggagaa 420
gacatacaat atggacccta aaaggcaacg aaaataccag cgaaagaaaat gacgctgaat 480
ggaaggcata ctggaacata cggcacaacc attggccatg acctacacac acgaagaaaa 540
catgagacca gaaacaccag ggacaatgac ataagcatac gaatctacg 589

<210> 13270
<211> 429
<212> DNA
<213> Glycine max

<400> 13270

agctttcga ttcattctat gtacccgtag tggccacat tgtgtttcgt gcattattat 60
tctcgtttg tttactttt atacccctg ttgacgtgct taagccattt tacttaagt 120

atttctcgct taacttataa ataaaataaa tttccaccga acgtttgaat tgtattatcc 180
attaacttcg gttaaaataa attccgaccg ttcggcgtg ccgtaaccac gttggaaatc 240
aaaaagaggt aaaaataat ataataatca aaaagacatc ttttagtaaa ataaagcgga 300
aatcaatcg gacgtttct ctttggatt tctcattctt aatcgaattg attaataact 360
aaagtgaaac taaaggcta aatcaattcg cctagtcaag ctgcgtccata aaaataggct 420
tttgaagtt 429

<210> 13271
<211> 419
<212> DNA
<213> Glycine max

<400> 13271
agcttagcat gcactccatg cttagccgc actgaaagct tagcacactg catgcttagc 60
gctcagaaag cccatagcga agcccaaatg tgcgcttagc acataagctc gcgcctaagcg 120
cgaattcagc gtgaatatta agctacatgg agcctatata aggaggaaga aacaaaaggg 180
aaagacatac cgagtctcag aactctctag tgaagtaatc cacagttga gcctctccct 240
tagggaaac cctctttct tagtcattct ccattctctt actattagtc atccatcccc 300
ttcttctatt agccttgaa gtgtaaagtc tctcatgcct atgagaggtt aaaccccctc 360
tgttggagcc tagtagccaa agcccttgta atgaaactgc tcttcttatt tattaatgc 419

<210> 13272
<211> 603
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13272
cgcacgccc ctctcaaccc ntagaataca agggagngta anaaattata cactgagcgc 60
ggtcacgacc ttntacacta ntncagtnna ataggnaggt nnngccctga aagccatggg 120
gagacccnggc naannccann ngaacccggc gagcanacaa gaagaactgc aagcgagcaa 180
gcagcactta taccaaccag caagaaaaaa catagaagcg ggcacccggt gcggaacacg 240
atccagatac cgccacccgc caagtcaaga gcaaccgaag ctgcgtcaacg acgaacgaaa 300
cacaacgagc accaaggaca acacaggcgc aatgcaccgg atgagcgaag ggaccacaaa 360

gacaca~~aaa~~ac agccacatga ctgaccggaa ggcgaccgac atacgaaaaa agaggcgaca 420
g~~c~~gcagacag agagaccaaa acaggaaacg gccgcaccgc ggacaacacc gcaaagaacc 480
agaaagagcg agg~~c~~gcacac aaccagaaca acagaacagg agcgccaaga ctacagaaga 540
aac~~a~~gaaag gaaaaaagag acaccacg~~c~~g caaaacaagg acgatcaagc aaggagacga 600
aac 603

<210> 13273
<211> 391
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13273

ttgcttatag ctcaatggac ttacctt~~g~~aa ttaattc~~t~~tt tgatagccct tttgagc~~c~~tt 60
gtttccctt cctt~~g~~ttatg aagctacta caagc~~c~~ttaa gtgan~~a~~acc atgatatcac 120
catatc~~c~~tt~~a~~ aggaat~~t~~tg gagctt~~g~~ga attgttt~~g~~ga aataagt~~t~~g ggggggttct 180
tgtatcatt~~g~~ gacaactt~~g~~t tttgttgg~~c~~ atgctt~~c~~atg atgtat~~t~~tg gcccatactt 240
gatgtacatt gtatatt~~g~~gt taaatgtt~~g~~g acatgctgaa tgaaatgtt~~g~~ tttctcaa~~a~~g 300
gctatagagt aaaaaaaaaa tataatcg~~g~~ga aaataaaaaat cgaacaaaag aaaaagaaaag 360
gcaatata~~g~~t tgagtgaata agatcttaaa t 391

<210> 13274
<211> 396
<212> DNA
<213> Glycine max

<400> 13274

tagcttccat caagtggtaa tcagagcaca agagcttcaa gtaggtgttc ctt~~a~~ac~~c~~tc 60
cattaat~~t~~tt ttgatttacc ttctttcca ttgtt~~g~~ttt~~c~~ ttc~~a~~t~~t~~ttt ttctccatgt 120
atctc~~c~~tcac atgtctt~~g~~t~~c~~ ctaaatgtt~~t~~ ttaacatgat tcttagagt ttccaccgat 180
taaactt~~g~~ct atagaaacta gat~~t~~gatt tctatgg~~t~~tc acaat~~t~~gtt~~g~~ ttctt~~g~~t~~t~~ct 240
tgaaccat~~a~~tt~~t~~gtc~~g~~a gtttacgtac cttt~~g~~agatt tgtctt~~g~~tta tattctt~~g~~g 300
ctgaaaccta aaccataaaa ttcttacaaa tatattaaag tataagaaaa cctcaataat 360

ctagagtgac ttgttcacct attgcaagtt tgtcat

396

<210> 13275

<211> 320

<212> DNA

<213> Glycine max

<400> 13275

agcttgcata aatagaagag tatgaggcctg tgattgaaag tatgactgaa aatgttagtc 60
agattgtcag attgattgtg aaggaatgca ttaaccatat cccaatgaga gtgtgatctt 120
taaattttga gagaaacgaa tgtcatttag tactgatatt tgcgtgaatc tctgaagtat 180
ggactgactg catgaaattt atgatgatga agccatgtt tgattgtat agccacttta 240
tccaacaagt ctaccatgtg attgaacgga atatccctag tacttcattt tgagctaaat 300
gaattattga gtgattgaac 320

<210> 13276

<211> 420

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13276

agctntgaaa actctctgga acttggacct ttctctctt agaagtctct aaacatgcaa 60
aagctttgat aatttcccaa actccctcc aaaatctgat ttcaggctta aataggtggc 120
tttgttgtg ctagcacgct tagtgcact atggaccgct cagcgtgcat tagtgattt 180
cgcttagcg cgtgcgtt tcacttagt gatggactga agtggtgcbc tttagcggat 240
gacccttcgc tcagcgcata tgcacaactc atccttcttc cagattttc ctcgtaaccg 300
gngagtgttg tgctcagtgg atggctact aagccagaag attggcttag cgagcggatg 360
ataatcaaca cttcacaaac tttctaaatt aacctaaaat taagagggaaa tggttattaa 420

<210> 13277

<211> 410

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13277

agcttgata ccacgcaacc gaatgaacat tattgcta at cgaagcttga gagtgaggaa 60
taatcatggg tacaattatg cacgattgca aatatatgtc gagaaaatag ctaatagcat 120
atagtaattc ggcaatagga aatggcttaa gaggcatatcc cttgtcgng aaccagacaa 180
taaacataat gcttgcttaa atgagatatg cttataagaa catccaagaa agaaaagcta 240
atgc当地atg tgactgaatt gcttacaaga attatgccta ttctgcta ac atgaccatga 300
ataccaaaat gctacaagaa gcgggacacc ttgcatgtca tcagtaagct caactgagat 360
tctacgataa atcacatggt anaactatct ttaaggcagaa ctcagcaaag 410

<210> 13278
<211> 400
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13278

agccttgtta ttactcaaga aaaggaagag aagaattggc atgtcataaa tgcgtgtata 60
acaaatattg aacatcagtt acaagaggaa ccctttccc tggcccagcg tgaccctgt 120
ccccatccct atccctcacc actaatntt tttctgtta catacgtat tggaacaga 180
tacatcgta tatgatagca agctatgcat atcaaagctt gagtcacatt tgaggggtat 240
cccaatcaaa cctgcgctgt gaatagacct cataatcaat tggcttagta tcaacaacgt 300
aatcaactgt gtgaatgccc tncaaagag ttgggtgaaa actatcatta ctgaaaggca 360
gtaatttata cacgactaat aattcaagag tgaatatacg 400

<210> 13279
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13279

agcttgactt acgcagnaaa aacgtggtgg ctgtcctcaa cagtttaaa agtataaatt 60
gatggtna agtgtttaaa tagtgtataa atgattacta atggatgcta ccaagtttat 120
aacattatgt aaagaaaaaaa ctaaaaattg aatgtgttta gggcttgaa aagctttgtt 180
ttttgtgta aatgtaagt gttgctcaca aaaacagttt gaataaaaaa gggtgataaa 240

cataggaaaa attgcgtgaa aagtggaccc aatgagcaac caaaaacatt gaaaaatcta 300
atattaaatt cttttctagt ttttaagag actcattntt cacacaatct ttactacgtg 360
tgggtataag gactcaagct tgtaacaccc cgacgaatta caccaaaaag agaaggatct 420
ggagtctgtg tatgtat 436

<210> 13280
<211> 244
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13280

atcactccta catctcatct ctagcatgca ttntctttct ttacccactc ctcacgtttg 60
gttttttagg gaaaaacacc ataactaac gcgccgcaag ggatccstat cgaccaggat 120
ccaaatctag aacgatgggt gatcaagaag agacgcatga acagatgaca gtgcacatgt 180
cggtctgaa agaacaatg gcctccatga tggaggccat gttangtatt gaacaactca 240
tgga 244

<210> 13281
<211> 389
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13281

agtttgtgag ttgtgacatg tagtactaca aataccccca ccataacctt tttcccgta 60
tcacaaacctt tgcgaatgc tattgtact ctagaacaat gatcttagt taatctacac 120
tcaactgtaa ttccatcata taattacctt gcaaacccta aaatcagaga acattgagtt 180
tggtagct ccatatgaag tagatgctca gtagcgcac atgtgtcaac ttggagtaga 240
aaatggtggaa gttgtacgg tgatcacaca agatagtgtat ctaatagcat atggttgtcc 300
agctataaga actcctccaa tactgtcata tcgtgcata aggtttactg gtctttgat 360
atctngatat atatactatn tcactatta 389

<210> 13282
<211> 430
<212> DNA

<213> Glycine max
<223> unsure at all n locations
<400> 13282

agcttgaaga actttccaag aaagtcatcc cacgaacttg aattccactc acttaaagg 60
ttattacagc taggctatgt aacaagagct actcttttc ctaccttgac ttttatcca 120
tataaaaata tgaaggttt tgccgagaag gtttaatga gacctcatcc tacaaatatt 180
atcaatgaag aaatatttca acaatcacac ttatgtcatt atattactcc tttnttaata 240
ttgttcccc tagaatacc tctttggcta aggttaaact tcattaatca taatttagtag 300
ttccctcctg aataccctgt tgaactaagg ttaacttcc ttaatcataa ttaatagttc 360
cttcctaaaa actctctcg gctaaggta aacttcataa taatcataat taacagtntg 420
aattttcaac 430

<210> 13283
<211> 428
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13283

agcttaagct ccttcaactg cacaaggctc ttaatatttg aagagtatcc ttgtggaacc 60
ttcacctgac gaagacactg acaaaaactt atcttctcct tcttggacaa agtatggcag 120
gctggggca agtaaatttt ctcccataa gaccttgat gcaactgtgc tcttataaccc 180
atatcagcta gatcttgacg ggtattcaag ccattctcg tcttgccttg aatgttaagg 240
agcgtccaa taacactgtc acaaacattt ttctccacat gcataacatc aatacaatgt 300
ctaacgtcaa gatcacacca gtacggaaga tcaaagagaa tggaccttctt cttcatatgc 360
aactctgact ttatccttc ttttngtct tcccaaatac agtgttcagg tggtaaccc 420
gctgatat 428

<210> 13284
<211> 266
<212> DNA
<213> Glycine max
<400> 13284

tgtttaaatg atgaggcata ggtatagaat gtcttaaact atcgcttcgc gtgttatat 60
acatcttagt cttttatcat gcatactgat tggatgagatc tgaggcgggt gaagcttct 120
tattctctaa gtacgtaaga acttacttct actcgaacct tggctaccaa catcgatata 180
attgattgcc tcgtttgcta atcgaatgtc caagtcaatc tcagacatag gaaggatcta 240
taccttatga taatcttatta ccccat 266

<210> 13285
<211> 394
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13285

agttcacct ttttgtactc ctcatagtac gtgcatacgata atacatgctc tattatcatc 60
tcccactcca agtaggcctc cagatcattc ttccctttaa atggaggaat gttgagtna 120
ataccatcca ttccgttatac gcttaggaaca ccatcattcc ctcttgct cccttcttct 180
tcattatgt ctctattctc catttggcc aacctctcat ggagcgcac 240
ttcattaacc tctccaaatg ttgcataaaa gcttgcattt ggaattgcca gagccccact 300
catctttagt attatacctg aatctcaaca aacaatcaac cttacacacaca atatagtgct 360
gttgaatcct ccccatcaga gatcacacat tatg 394

<210> 13286
<211> 390
<212> DNA
<213> Glycine max

<400> 13286

agcttgatcc aagaagcacy ttcatgctct gtctggatct acctaacggtt gaatttggaa 60
atgaactgag ttacatgtaa ttcaaaaatg ttattgaacc atgggtgacg tattgattgt 120
taaacaatgg atcatataga caagatggac tacaaccttt gtcatttagt ccaattctct 180
tatcttctct tctatattgg tcatccaatc ttctgttaatt tgggtggac cccattcgtg 240
tagaaaggaa cgtccactct agtgggtcat taacatatgt tgtgtgaaa ttgctactat 300
tatctttagt aacatgtttt cagtttagaca attaggtgtt gtccgcttta taaggagctt 360
agtattctac gatttagagat cttgacatca 390

<210> 13287
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13287

agcttgcggg catgtacat tccgaatact aaaaaggcg gtaagtgatc gtcagtgcc 60
aagagattt gtacagacaa agagcaactc cttgcaagtt tccagttaa gagatacatg 120
aattaatcga atacacactc taataagagg atgttagaggt tgtgcaagta tgagagtgt 180
tagtggaga taaagatcat ggaaggcctc caaganatgt agaaagacct aagatgaaga 240
atccttaat tagactaaaa gaacttgta atggatgat tttagagaac aacccatgg 300
ttgggctgga aataccaaag agtggaaagag taaagagtcc aaaggagaat tatagttat 360
caacacatta catggtcaag cctaaaatgg aagaaaatag tccatggtgg tgcatgtgga 420
a 421

<210> 13288
<211> 418
<212> DNA
<213> Glycine max

<400> 13288

agctttaacc tcattgtctc tcacaatctt tagatttggg agccaatcca atccttgt 60
ccggactctc agccacttat gatagccgcc gatgatccc ttactgcttc ccctaagctc 120
tctgtcctt cttcacgccc catccatgc cttgcaaact cttggagta cctttgcatt 180
gggtcactg aaacccctgtg taatgaaagg cgtgatgct ttgtctaatt ggcgtcctct 240
catgggttag ccaagctgtc ttatggcgag gacatgatta taatttatac aaccccttgt 300
tcccattaag ggaacatgaa gatagaatct tgattcttc ttcctctag tgagggaaacc 360
aattaacaga cgccccctctt tgcttagccaa gagttggtcc caattcgact atctttct 418

<210> 13289
<211> 400
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 13289

agcttgtaca gttaaatata ccaaggtgct gtgctgaaat aagactaaca atntgtgcac 60
aagcttagac gagcccttgc agttcataat cagtatttg tagatgtcta cttgcgcata 120
catatactat agttaaacta ttatacagat gatgggcata aacttattga agcctaaaga 180
taaagagtat actgagtgcc tgnngtggta tgtgctaggc taanagcacy gaatttggta 240
cccttggcca agttgttttta gttcacttaa cctgggtgta cagtgcataat acaagtctt 300
actcatttaa gaaattatta caatgtgtat atgctagttt atatctttag ggtttcggc 360
ttcccaatac aagaataaag aatcagctgg taaaacttgat 400

<210> 13290

<211> 397

<212> DNA

<213> Glycine max

<400> 13290

agcttatctc gttgaacgaa agacatccta taagtacatt gcataaggta catgcataa 60
ttaataggta ttttattcatt atggactttg aactttctc gtctccgaaa gtggtaata 120
agtgaacata tcctatattt tcattttttt ctcagcaaag tctatcagtt cctctggaa 180
tggctcaata tagcttcca taatgccaa ctgtttaagg aggactagta gaggatatca 240
accgagttcc cattgtcgag taggaccttg cacacttagga agtttgcac ctatatctt 300
atgaccatcg gatcattgtg acatcttca atgtccccga aatcctcgat tgtgaaaata 360
ataggcggca tgcttctaaa gacctatttc tcattttt 397

<210> 13291

<211> 435

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13291

agcttaatcc ttgaaaattt gaggtagga gatttgcctt ggattcatct agggactact 60
ttccttagca cccttatgtt caatacattc gataaataaa aatagttttt ttttgctat 120
atgcatgaga gtttcaatgc tagttgtcac acaaatgtat tacacaaaag tacctatcac 180

ataaaagagt gctatgcaat tttagaatgca tcaagaagtt ttagattgtg tggctacatt 240
ctttggaacc aaaggcaatg catcgaanaa ttactacata cccatatcta acgggaattt 300
ctatttctt ggtggctnt tctgaggag acgtcaccac atgttatgca ggatggtgga 360
agcagtcaat attgtatcat tatcatgaat ttgcanagaa tattactcg 420
gtatatacaa tgatg 435

<210> 13292
<211> 184
<212> DNA
<213> Glycine max

<400> 13292
actggatag attctgaata gtttgcagc cgaaaaatggat ggctatctt atttaaagga 60
atctgtccct catattgtat gcacaaaatt aatttggaaat ctgattacaa gctcgtgaga 120
caaccttcaa gaatgcttaa tcctagatg aaagaagaag taagaaagga agtcctcatg 180
ttgc 184

<210> 13293
<211> 398
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13293
agctngagat gaggaagtgt tgaagggtga aacttcctgc ttttattgtt gaccacagag 60
tggcacctgg agatatgtcg cgggggtcag gagaccttgg ggacgtcagg tgggtgcta 120
ttgccccaaa ccaagcttga ccaatcccga cccaacccgg gcatagtcgg tcagtgagaa 180
cctgtatgtt acctaaggcag gcgagctcct ggcagtcaac agataaaagg aaaacaagac 240
cacaaggcaa ggaggcttgtt ggtggctggc cagctgtgaa ttttgtgtaa tatgtggatt 300
gtggcctctg gtaatcgatt accaaggcgg ggttaatcgat tacaaggctt aaaaatgaag 360
acagggggct aagatggtct ctggtaatcg attaccat 398

<210> 13294
<211> 428
<212> DNA
<213> Glycine max

<400> 13294
agcttaggct aaaccttagt aagctacttg agctgagtct agtcttacat gagggatctg 60
tgaacgaaac tcagtttaag ttagtctaaa cctaagaggg ctgtctaaat tgggtgttagt 120
cttaaatgag gnatctacgg acgaagcctg gatattcagc ctgacgaggg atcgagggtt 180
tagtaattta ggctacaaca tagaacacaa gagcatgatt gattagagaa atatatttat 240
atgcacatggc ttgtttgtta gaaagaccca acatatctac ctattgttgtt cattttatag 300
tgtagcat acaagtttag tttaaattct atttggaaatt atcgcttata catgttctct 360
caacaatgct tcgattctga acttaattca ggctaacatt agctccctgt gttcgatact 420
cggattca 428

<210> 13295
<211> 314
<212> DNA
<213> Glycine max

<400> 13295
agttctgtt ttcaattacg agcgtctcga tatattatgg gactgaatcg cacatccgag 60
tcaaaagtta attcgtttg aatttgccta gagcttatgt tttcaattac gagcgtctcg 120
atatactacg ggacacagat cgacactgcga gtccaaagtt attggcgatg acatttgctc 180
agggcttctg tttcaatta cgagcgtctc gatagattac gggactcaat cggagatccg 240
tgtaaaaaga tattgtcgtg tgaatattct cagagctca gtttcaata ccaagcgtct 300
cgatatacta cggg 314

<210> 13296
<211> 383
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13296
aggcgaatca gctcgtaatc gagatactct gagtgacctg ctgcattgaa gctntaccat 60
cagaatttac atatgcttca ttaacagaaa ttaccatcca cttaaagtta gcaatgagcc 120
attaacctac gaaattaaaa gaacttaaat ggttgagtgt aattggaaatt gtggcaacca 180

aaagtcaccc cgaagttgat gcctaagctg ccaattacgc ccttattaca acttagacta 240
aaccaaatcg tcttagaata tgatacagt acatnttt aattaaaaca atgaacattg 300
tttttacta cacacattat aagatnggt acaataactg tcttagaatg tcattgggtg 360
gcagtgttga attatgggga atg 383

<210> 13297

<211> 422

<212> DNA

<213> Glycine max

<400> 13297

acagtgtga tgctgactat acctaccat cctgtagctc ttgtacagcc tgtccaccct 60
cagactatga tccacagcta tatctaattgc tctgtatgcc aactgacgtt ggatggcata 120
tcatttaatt ttatggtttc cgaacctaga attgctagct cagattacat tcagaagcat 180
gctactaaca gcccatagaa tctccagcac tgactagatc agagctgaaa gacgaactct 240
gaattgtaag cctcaggatg cttagcgtca gacactctaa tcacagtcta ctataacact 300
agagatctac cggtccgtt catctaattga tcgtgtcgcc gattcatgtt ccctctgata 360
ttagaagccg aatatctaca cgccaattac tcggagctt atgaagatag aacacaactc 420
cg 422

<210> 13298

<211> 420

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13298

agcttgataa cacgcagaga ctaacgtcgt cttttgcggc cttcgtaat cgccggccgac 60
aagcccggtt acacgcagag atttatgtca tcttccgcgc ttacaagatc tgtcataactg 120
agtttgagt cacgctgacg ggcggaaata cccgagtggg tatccgtata aactttntgt 180
tgtctgttaag acgaaaagcc tgatagcacg cagagactaa cgtcgcttc tgcgcccttc 240
gtcaatcgcg gccgacaagc ccgtttacac gcggtgattt acgtcatctt ccgtgctcac 300
aagatctgtc atactgactt ntgagtcacg ctgacggggcg gaaatacccg agtgtgtatc 360
cgtataaact nttgcattc tgtaagacga aaagcttcat aacacgcaga gactaacgtc 420

<210> 13299
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13299

agcttatca ttgaataatt gacttgacc aaagagaaga gagaagaag aaggaggaag 60
aaaagtacaca gttcctccc ttcttcctt ccaatagtaa tagctgtgc taacaataaa 120
aagggtcacc cacacaacca ctttctccct catcatcgct cgctcaatcg aggtcttc 180
gatttccttc tctacaacac aacacaacac aacgctctct tctcttctct tgcaaccaa 240
ttacaacttg ttccactctc tactactcta taaggttaagc ctttctttc cttcttcac 300
tcactcatac ataaaaactt ttcatctcg ctctttcg gtggctctc ttctgngtag 360
atccaagttt caaactttct ttggatatgg atttggcccc gaccacccct ttcttc 416

<210> 13300
<211> 408
<212> DNA
<213> Glycine max

<400> 13300

agttgtgc ataaaaat attaattggg tgagtgaaaa agtttgatc aatagctccc 60
ttgggtatag ttcttaggaa acttgcacaa aaaagtaaa ttgataatta gttacgtgac 120
ggataatgt ttacttattt gtaagaagag ctttagtagc aactttccaa atcacaattc 180
tacaaggtgt tcattgtgtcc aagaaaagtt tattctaaaa ttacaatatg tcgtatgaa 240
ttcatgatcatataatt tgataactcac ataaaatgtt gaggtaatgt ttgaaatgtt 300
gcggtagct tatttatgtt cagattgtt ctgaaacctt ctaagacatc atcttataat 360
tgttactttg aatatttaaa caataaatat aacaccctt gactgcc 408

<210> 13301
<211> 396
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13301

caagctaaca tacttagaaa tcaagtgatc atgtattccg aaatataggg ggagaaaaacg 60
gatgcacant ttatctataa acaattgttt gttgcttgct tgaatcttga tttcaggtat 120
tgtattgtca tcatcaaaaa gggggagatt gtagatgcaa ttggctntga tgtntgatg 180
atgatcatga taatgtgttgc caattgatgc aaatgggctt ttcaagatta aaattcaaga 240
caataactca agattacaag gcacaacatc aagatgatca ctagaatatt angaaggaa 300
ttcctaattt aatttagcaaa ggtttggcca agtgaattttt aataaaaaagt ggttttcaaa 360
ggttttactc tctggtaatc gattaccaga ggatgt 396

<210> 13302

<211> 344

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13302

agcttcattt tggaatttgcg aaagccccac tccatcatta ggatttagtac ctgacatctc 60
aaacaaacaa atcaaacgta acaagacaat tatagttgtt gtttgaatac ctcacccact 120
caagtgtatc acacaattat ggctttctc taatgaaaca ctcttgcctt ttaccactct 180
aattccctt gagttcttag gcaattcaag agattatggc cacaacaaag aacaattcac 240
caatatgtgt caggttaaggc tagagagaca agaaaaaggt taaccaagaa aaaggctaac 300
aatgtattga ataatatttgc gatgtatgtcc attangaaat gtcg 344

<210> 13303

<211> 415

<212> DNA

<213> Glycine max

<400> 13303

agcttttcga ttcattctat gtacccgtag tggccacat tgggtttgt gcatttttat 60
tctcgaaaaat tttactttt ataccccttc ttgacgtgct taagccattt tacttaagtc 120
atttatcgct taactaaaa ataaaataaa tttccaccga acgtttgaat tgtattatcc 180
gttaactgcg gttaaaaataa attccgaccg tttggcgttg ccgttaaccac gttggaaatc 240
aaaaagaggt aaaaaataat ataataatca aaaagacatc ttttagtaaa ataaagcggaa 300

aatcaatcg gacgttgtct ctctggatg ttcattttt aatcgaattt attaataact 360

aaagtgaaac taaaaggctaa aatcaattcg cctagtcaag ctcgtcccat aaaat 415

<210> 13304

<211> 423

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13304

gcttggtccc caacgctctg ttcaagcttt cccaaaatct agaggtgaat ctangatctc 60

tatcagatac tatactagat ggctcacccct ataatctaac aatctactt atatacaggg 120

aagtcaactt ctccaaggaa aatctgatat taataagaat gaagtcagca gacttggta 180

gtcttatcaac aataaccaa atagaatcta aacctctagg ggttcttaggt agtcctacca 240

caaaaatccat gaaaatactg ttcacttcc actanggtat ctctaaagat agtaactttc 300

ctgaaagtct ctgatgttct atcttagcct tctgacagat taggcattgca tacacaaact 360

cactaacctc tctttcata ttgnngccac caaacatcat cttaaatcc tgatacatct 420

tgt 423

<210> 13305

<211> 434

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13305

agcttatgct gcanacatct acaacagacc ttctcaacct cagcagcaaa atcaaccaca 60

atagaacaat tatgacctct ccagcaacag gtacaatcat gggtgaggaa atcatcctaa 120

ccttagatgg tcgaatcctt cacaacagcc gcaacaacaa ctttattttc aaaatgtgc 180

tggcccaaggc agaccatacg ttctccacc aatccagcag caacaacagc aacagccgca 240

gaaacagcaa acagttgagg ctccctcgta accttccctt gaagaacttg tgaggcaaat 300

gactatgcaa aacatgcagt ttcaacaaga gaccagagct tccattcaga gcttaactaa 360

tcagatggaa caattggcta cacagttaaa tcaacaacag ttccagaatt ttgacaaatt 420

gccttctcaa tctg 434

<210> 13306
 <211> 417
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13306

agcttcaaca tcagaccact tccagggtgc tggaactact tcacatggac ttgatgggc 60
 ctatgcaagt tgaaaagcatt ggagggaaaga ggtatgccta tggatgtg gatgattct 120
 ccagatttac ctgcgtcaac tttatcagag agaaatcaga caccttgaa gtattcaagg 180
 agttgagtct aacacttcaa agagaaaagg actgtgtcat caagagaatc aggagtgacc 240
 atggcagaga gtttggaaac acgaggttca ctgaattctg cacatctgaa ggcatactc 300
 atgagttctc tgccagccatt acaccacaac agaatggcat agttgaaacg aataatatga 360
 ctttgcaaga tgctgctatg gtcatgctnc atgcccana acttccctat aatctct 417

<210> 13307
 <211> 400
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13307

gcttgtatga ctggagaagt ttcttcacag gtgtttctt tatacttctc accgatttg 60
 ttccaaacgaa tntaattctta tctaaaaaaaaa tcttcggtcc gtataaatgt tcctttctt 120
 tgcttgctta tgattatggg tgttcataca ccgatttggg gtttatatac tatatatgt 180
 tatatatata acaacaacca ttctttctc gctgaacgtc ttctttctc tccttgatat 240
 gatgaaacgc actaccttgc tgatatgtt tatttcaata tttggggatc agttctggtc 300
 atatatttgt tgatggatct tgaaatgtt acaatctct ttatattac gtttaacaca 360
 atgtcatgtg atttcaacct gctgaaagac atgcatgaca 400

<210> 13308
 <211> 421
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13308

60
actntaacc gatcgtaa gccgtttct cacctaataa atgataaaat gaattcaac
120
cgatcattt cggtgtatc tcatttaatc actgttaaaa caaaatctaa ccgatcggtc
180
acgctgtaac ctcatgtaaa caaaataaaa gcaaaataat aataaaataa tcaaaatatc
240
ttgaaaaaaa ataataaaaat aatcaaataa tctttgaata aaataatcaa aaaaatcaat
300
cgacatccc tctttggaaag ttcccttgaa tcaattaact aataacccaa gtgaaactaa
360
ggctaaaatc aatntacaaa tcatagtttgc tccgtaaaaa tcactaaaag accatttaag
420
gtccaacgcc ttagacgggc ctctntgctt atatcggtt acatggaccg ttcaaaaagca
421
t

<210> 13309
<211> 412
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13309

agcttgtatt taanaatgtt ntanaaaatac ttttaattaa tatttgaatn tttattcctt 60
tattaatata tatgtgaggg gtagagggtg tcacaataac cacacgcagt ggttacatag 120
attgtatgtt tttagtttgtt tttgctattg cctgttgttt gtggcatttg aggaagggag 180
gactcacccct tgcaaccacc attttagggg gaggtcatgg agcatccaca gaggatgttc 240
acttggatca atagctaccg ctacaactac acgatggagg aagaagcgct cctccacaca 300
cactttggtt acatctggtg ccactntntg ttgttagatg agcctangat accatcgatc 360
accgttagaga cacacactac gtatcacttg taggtcttgg taatgacaac tc 412

<210>	13310
<211>	421
<212>	DNA
<213>	Glycine max

<223> unsure at all n locations
<400> 13310

agcttgttaa tacttcaa at agatttgaca catttaatta atttatgata ccaaggtagt 60
aataataat ccttaaaatt agaaatgaaa aaatgaatta aatctataag gttgactcat 120
ttaaacctact aaatggagtg agttggaatt tccaaacct ctcaaaacta gactcaatct 180

agctttttt tttgggaag gtattggtg aatctattga aacaaaactc ttttagaag 240
cttaagttt aatgataaca aacttttaag aagtaaatta taagttatct aaagagatgg 300
tttgcttga gatgtgttt aataagacag aacttgatca taagcataaa gaaagggtgtg 360
aagccttag aatggaaagt ctttanaca tagattctc ctattaaaa taggactacc 420
a 421

<210> 13311
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13311

agtttcgg gtgggggtt tgtacgacca tctctgagac cttaaaaagt gttggtagtt 60
tattagatga tagttgatag ttgatagtt tagagaatta ttttagaaag aagactatgt 120
cattgattt ttggatgatc aattacaaca taccaattgc ctatttag gctcaagtca 180
ccaacctctc aatggcggtg aatgttcta cattactta ggtcttcta gagtttcat 240
gatagtacta gattttcta tcttatacat acacttatag ttctagattt ttctatcata 300
tttatacaca ttatagttct agattgttct accatattca tacacactat attaagaat 360
attctagana ttatagcaa ttcaacact ctccttgat gcanattct gtgactccga 420

<210> 13312
<211> 400
<212> DNA
<213> Glycine max

<400> 13312

agctctacat cagaatttag taatgaccca ctaacctaga attaaaataa cttaatgcc 60
ttaacctagg gaattaaaaaa aaacttaatg gctgagtgtt actgaaattt tggcaaccaa 120
aagtccccca caacagccaa caagtcagcc accatttgtt ctccaaaaag gctgatgcct 180
atgttgccaa ttggccctt attacaactt gaactaaacc taactaaagc ctttttagtt 240
gattaaccca aaacatattt ttggtcagcc aactttacaa ggattggcc attattnaga 300
caaactaaac actctaaaat cgagacaagg tgggtgtt catttcctt ccattaggc 360

catgatacaa ctcacaacct tggactttc tcctgaaac

400

<210> 13313
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13313

agcttgcct taaattcagt taagagcaac gcaaagctca cattatctgc ttcaactcct 60
aaacaatcca aaatttttgg cttctggttt tatgtcaata catcaaaatc ttatgtttta 120
cttgtgtcat catgtaatgc ttccctctact attgattcca taaaacagaa aaaaaaacac 180
taaaaaatga aacctaataat catcaacaac ataaacccaa attttggct gctggtttg 240
tgcccattcc ccacattga tcttcgatga tccaatctac aaatctcccc cccgcccccc 300
ataaaaaatga ataaaagaaa gaaaataaaa gaaacttcag aaaccagttc agaaagaana 360
aagcgctaaa tttaaatcc aattgaaaaa tttaatatga agaaaaatga 410

<210> 13314
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13314

agttccgt cagtgttaat ggcggcaccc acgtcggnna gagaccctgc atgttatttg 60
tttagaaaacg aacccccc ttgtaaattgt ttgtaaaaca agccctgtac ggttttttg 120
ccgtgcttg aactatttca taacaaataa atgaattaaa caaaaacacg tgtggtaacc 180
ttcttttcag tctaggactc taagggagcc actctttttt ccccttccta gtnggatttg 240
ttgctctcga ccaaagcaga aaagtaaagc tgaatgggaa ataaggaagc agtataataa 300
ggaatcaaaa ccaattcttc acatcacatc cattggttnt tttttttnt tgcccttcg 360
ttggttaaga attagatatt acatccctt gttttagttt aaaaaataat tttaatt 417

<210> 13315
<211> 319
<212> DNA
<213> Glycine max

<400> 13315

aatcaatgtt ggggggtggt gatagatgca caagaactta ggttcaattt tcgtctttc 60
cactatgaga ttgaatgtct gatggagt gatgcaagtt cttgttactt catcctca 120
aataaaatctc acagtagcac gcacactgaa agtcacgtg tactctctgt tattgcctga 180
gacaattgtt agtcgatgaa tacaacttagc ttctgtgtat aaaacatgtg taaaattgaat 240
caaacctcca ccatatatgg atgcttgta ggattataaa tacttttgt taagtacttg 300
taatagacac ttaataactt 319

<210> 13316

<211> 397

<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 13316

agctttacat actcgccatg atctctttct gaaacgcgtc tcgaactcgg acctccaccc 60
ggccgagtca aaggccgagt tcgagtccaa cgcgctgcaa ggccctgttg tctcggaaac 120
gagtcangga agcggcgagt acttcctccg agtcggaatc ggaaagccac cgagtcaagc 180
ctacgtggtt ctgcacaccg gaagcgacgt gagctggatc caatgcgcgc cgtgctccga 240
atgctaccaa caatcgatc caatctcga cccgatttcg tcgaattcgt actctccgat 300
ccgctgacgac gagccgcagt gttagtcact gtacctctcc gagtggcga acagcacgt 360
cctctacgaa gtcttctacg gtgacggatt ctacacc 397

<210> 13317

<211> 432

<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 13317

agctntgatc aaaatctaac gacaataact ttntactcga atgtccgatt gtctcccatt 60
gtatatcgag acgttaataa ttcagaatag aagctctgag caaaatctaa cgacaataac 120
tttttactcg gatgtccgat tgtgtccgt agtatataa gactctcgaa attcagaact 180
gaagctctaa gcaaaatcaa atgacaaaaa aatttactc ggatgtcga atgaatcccg 240

taatatatgg agacgctcgt atttgaaaac ggaagctctg agcaatatac aacgacaata 300
actttntact cgatgtctg attgtgtccc atagtatatac gagactctcg aaattcataa 360
cagaagctct gagcaaaaatc aaacgacaat anatttaac tcggatgttc gaatgtgtcc 420
cgtatgtat ct 432

<210> 13318
<211> 191
<212> DNA
<213> Glycine max

<400> 13318

gccggagagg tcgatgatag ataagaacta ccggactcga atatgttatg ggagattgtg 60
tttttacatg gagtactatt atacaagaca ttgtgacact ttttacttgt gatgacgagt 120
atgtagctgc aacttcttgc gcatgttatg ccgttaggct tagaacatag ttggacgaac 180
tatagtgtt g 191

<210> 13319
<211> 540
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13319

cccaccgcac cccaaatact tatgtgagta ttaacaatgg tgtaccccat tntaattcag 60
gatttggngg cgtttgaagc tgtgagacat gaaancaggc gaacactagc cccggatgc 120
attaagacgg ctgcagtctg ttagctntta ttataataac tgactcacca tatacctaga 180
cgcttaggtga gaacgacaat cttaccctt ttagcaaatac aacaagagga caatgaccat 240
atccccatcat agacgaagcg aaaaaacaag agagatagat aatatccgat caaaggaaga 300
aagagaggaa aggaaattcc catatagaga gtgggagaag aacaaaataa aaggaaacaa 360
ggaaccgagc tcttggcaat gatcaaagaa aacaatgaaa taacaataag gttatggca 420
tacaaaatcg aacaattcga tagtacccaa gaacaaaaaaaaa gatatggagc catacctaga 480
gtggcatctc ctatgataacc acaatatctg gcgaagaaat ataccttgc gatagaaaaa 540

<210> 13320
<211> 91

<212> DNA
<213> Glycine max

<400> 13320

atcttacagc gacgcagctg ccgcgttttg gagctaggct ttgctcaactc actcggtca 60
taggttaagct cgatctcctt gtgaagcttg c 91

<210> 13321
<211> 393
<212> DNA
<213> Glycine max

<400> 13321

agcttctggc tgagaagact aagaagaagc tggaggaagc tgcatagtca ggaagcggtt 60
atggcgcat cgaccctcca tccccgtca gacgccacgt gaagtggaaag atggcccgca 120
ccaagaaaac aggggagatg acgactgatg ccgcaaagga aattgcttaa acaattgtaa 180
gtcattttca actaaccatt ataattatat ttcaatattt tgtgaatgcc atgtacaact 240
gtgtcttttc tgtgcaggat tccttgagg agcaagtgac acaaggatcc ttcatcccac 300
atggacgtca ggatgttctc actgctgcta ttggacgtcc agagcacccct gtacgtttc 360
atgctgctgg agccgggtgca accatcaagc aat 393

<210> 13322
<211> 411
<212> DNA
<213> Glycine max

<400> 13322

tagcttaaca ttatgatcaa atttatctgc ttcaaccagt tacagaaatg actggtcaca 60
aagtaatcac tatatcataa ttgatggata ccaatgtaac cataaatgtt atacattcac 120
agtgaatgaa agcacccac aacaatgtaa tatattttt gtcacataat catcaacaat 180
gctacaatg ctgataaacac atttactaat tctatcgaat acacccaaat tgttattcct 240
aactgatgat taagccttt tacacccgat ttctctatgc tctaaaaat aagatgtcca 300
tttcatgcga attgttgtca tggtgtcctt gtcaatggca tccatcacca aaccctacaa 360
gttatata taacagtagt gatgcagata ataaatttagt tcaactgata t 411

<210> 13323
<211> 322
<212> DNA
<213> Glycine max

<400> 13323

agcttaaaga gccagcatat tgggccatc gccttatgag tatgcaagaa cgtattatct 60
accataaaccg agtcgtgatg agacatcata aatcataaat aataatagta attgtacgta 120
gagagaactg catcgaggaa aacatgatgg atgataactc aatgtacatg tggtaactg 180
gaattatcat attacctcg 60
tttgagcc aagattatag atgtacaatg atttgctcg 120
tttacagagc agagagagga catacctcg 60
tcgtaaagga tacctatgga agaatggatg 180
ataggatgac tcttatccga cg 240
300
322

<210> 13324
<211> 401
<212> DNA
<213> Glycine max

<400> 13324

agcttgtatg tccttcttg gctgtgagaa ggagttctca tccattacat ttgcagatgt 60
aagcacagtc tctgttgacc cagataactg caatgagttt gttccagtc catcaagaga 120
gacttgagg ttcacggcag tggtaaccgaa gttcacaacc tgcaaaagtc aattgattca 180
gattgatgac agtgctaatg aaagcataaa tggatgctct ccatttactt tatccaccat 240
tttctccatt cctatcgctt ttataagata ttggaaaat aaataaaatg gaaatgatac 300
acactttatg ggaagtaaca tttattctt tccaaagctt attgatggaa taatggagag 360
gacctaaacc caatgacagc atttagagca caacaaatct a 401

<210> 13325
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13325

agcttgtata atggctagac atgatacatg tcangtttg gtttggttca aggataaaag 60
ggatgccccca cattatttcc atgacacaaa aatgcaaaaa tggatgattt gaaactttat 120

gcaaaaactgg tcatgcatgc acctatgcgg acactcaagt gtcaaatttt tatggtcatg 180
tgatgctagg gctcangatt catttcctct attttaatca acccaatgtt tccaaaatat 240
gttctttat caatttgtgc attcatccga gtccatttcg ggcgtccggg aaaatcttca 300
cagcattcac ctttcaggtg tatacacatt nttcaaaag cttagttacga tcagtgaatn 360
tntccataga aaagttggaa atcgctctt ttanaagcat gttggcttt 410

<210> 13326
<211> 430
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13326

agtttacata tgaaggtctt gtaaaaatttt ctgctcgggt atcaatccag gtaattggat 60
atacccaaac ccaataactga aatctctgat ttagtaattt gtttctgagg acaaataatga 120
caaaccaata ttgtaactta attacataag agactaatag atttcttatga caganagaaa 180
acataaagtt ctttattgaat ttagtggata aaaaaagcca ccaatgttag gtgagctgaa 240
attatttata cctatacaca caagcactta accatagtgc acttataatt agttctaaca 300
gacttagtaac taactgtaac caacagagaa caaacaaaaa atacatttgc aatgtatatg 360
gtaatggaca gtattatgcc tttgaaaagaa catgcaaata catgtggctg ctttagttgt 420
gacatgtttt 430

<210> 13327
<211> 312
<212> DNA
<213> Glycine max

<400> 13327

tttattgttg accacagagt ggtacacctgga gatatgtcgc gggggtcagg agaccttggg 60
gacgtcaggt gaggtgctat tgcccaaaac caaacttgac caatccaaac ccaaccggg 120
catagtcggt cagtgagaac ctgtgatgtt cctaagcaag cgaactcctg gcagtcaaca 180
gataaaaagga aaacaagacc acaaagcaag gaggcttggt gtggctggcc agctgtgaat 240
tttggatgtt atgtggatgg tggcctctgg taatcgatta ccaaggtggg tatcgattac 300
aggcttaaaa tg 312

<210> 13328
<211> 425
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13328

agcttgaat gaggaagtgc ggaagggtga gacttccttc ttttattgtt gaccacagag 60
tggcacctgg agatatgtcg tgggggtcag gagaccttgg ggacgtcagg tggggtgcta 120
ttgccccaaa ccaagcttga ccaatcccga cccaacccgg gcatagtcag tcagtgagaa 180
cctgtatgt acctaaacag gtgagctctt ggcagtcaac agataaaaaga aacgaagacc 240
acaaagcaag gaggcttgg tggtggttgg ccagctgtga actttgagtg ttatatggng 300
tatggcatct ggtaatcgat taccaagggt gtctaattcga ttacaaggat taaaagtgaa 360
gacaggaagc taagatggcc tctggtaatc gattaccaaa ggtggtaat cgattaccag 420
gctta 425

<210> 13329
<211> 418
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13329

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taccactaaa tccagatttg gctttcaaa tcctcaaagc atcacacttt tccactcata 120
tcactacatt ctcaactttt aacccttaggt taactctacc ctacatctct atcagtttc 180
catcagccat tttagcacac aagcatcaca agcatcatca taaaaaccctt aaaacagaat 240
ggtaagctt gactcataacc aaacattagc atgtttcaa caaatttctt cacaataaac 300
tatcataagg cataaaccta gtaaaactac ccatcataacc tcccanaaacc caataccac 360
gaaaatntat gtgagaagaa gtctacccaa acctgaaatg tgaagtccca caatggag 418

<210> 13330
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13330

agcttgtgta ttcaatatct tcatgaggat gttccatatg ttctcaagac tggactaata 60
catttgctgc ccaagttca ttgtcttgca ggtgaagatc ctcataagca tcttaaggag 120
ttccatattg tctattccac catgaaaccc cctgatgtcc aggaagataa tatctttcta 180
aaagctttc ctcattctct ggaggaagtg gtgaaagatt ggctgtacta ctttgctccc 240
aggtccatta ccggctggga tgaccttaag agggtgtct tagagaaatt ctccctgca 300
tcttaggacca ctgccatcag aaaatacatt tcaggcatca ggcaacttag tggagagagc 360
ttgtatgagt actngaaag attcaagaaa ttgtgtgcaa actgttctca ccact 415

<210> 13331
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13331

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atctctgatt taataatacg tgtctcacga caaatatcat aaaccaatat tgaaacttaa 120
ttacatacaa tactattcga ctattatgac ataaagaaaa catacgatgt tcataatgatc 180
gatgaaataa atcaagtac acatgttaag agagctggac ttatacatcc tatgcccgcg 240
agcactgtac ctttgtaac ttatgattaa ttctatcata cgagctacta acatgagcca 300
acagagcaca gacctctaat acataggcta tcgatatgga aatgaaacat ataatgcctt 360
tgaaataaca tgctaaaaca gtgtgtgctt aattatacac atgatctgct ccg 413

<210> 13332
<211> 425
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13332

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aggggttaaa agccaacacc tatattntt aatgtcagga tacaagtttc aaaactaaaa 120

ttttacatct tatcttagtc ttgtaaaaaa agaccatata ttaattctg aacagcaaag 180
taatcttaga tagaaaaaga ataatcgaa tggaatgaga tataatgttc tcataataac 240
agctcacctc tgtaacacca ggcagcatta tccctcgta ttaatctcc ttaatttcta 300
tattatctt tgataaatca aataggccc tatataagac gatagagttt tttgaagac 360
ttcanaaatc cacattcaa actacttct tcaatgttta aagtgtgagg tatagtctca 420
catag 425

<210> 13333
<211> 415
<212> DNA
<213> Glycine max

<400> 13333

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tattttgtgc ggtataatca aaggcataga aaatgcatac gatgagttga atccgcagaa 120
tcaagcactg tgtattaaat tatgtgctac ttcacatata gtcgatagtt taatttcaa 180
gagtcaagtt ttgagctgtg agtattatat acgatgaata aagaataacc ggccgttgct 240
cgtaaacaag gccgtacaag tatgctgcag ccgtatggct tgcacttata acttcgaact 300
gcbcagtcga attgcttact gcccacatat tgaatgttag tggtacacta atatttata 360
tcattgacaa taattagctt actttggaga tgaattaatc cttactctat actac 415

<210> 13334
<211> 354
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13334

agctntgatt ttatctaca aacaagctgt gatatttatg ttgaacacgt atgtttctt 60
tgatTTTAT ctacaaaaaa gcttgattgt tatctacata aaaactttgg gtttatata 120
gtatcattgg gtaactttgt ttttcgaa cccataagct taaatTTTT tgggtgttct 180
gcctttatata ttttttccc tttaacacta gctaaagtta tttgaatggg ttatattctt 240
ttatTTGCT gtccctttag ttagacactt ccagttgat attcaaatat atgacagtgc 300
tttataatcac atatatgaca ttctttgtct atgtcttatac tttattatca aata 354

<210> 13335
<211> 383
<212> DNA
<213> Glycine max

<400> 13335

agtttctgtc cctgagaaac tggttccag aagacaacag ggagtgaaga ttgctgaaaa 60
cccttagactt gcaacaagtt ctatgaaagt agacacggag atggacaaga taatccgcag 120
tattgtgagt agcattctga aagatgcttc tgtgcctgat gctgagaaag atgttccaac 180
atcgtccacc ccaagtgttt ctgtgcctga tgctgagaaa gatgttccaa cattccgc 240
tccaaatgct gaaggcctcc cttcacccag tgaagaggaa tcaacagatg aagaggatca 300
agccgcagag gagacccctg caccacggc accagaatct gttccaggtg acctcatcga 360
cctggaagaa gtcgaatctg atg 383

<210> 13336
<211> 382
<212> DNA
<213> Glycine max

<400> 13336

agttgcctc aaagaggtcc aggaaggaca aggccggccga aggaactagt tccgctccgg 60
agtacgacag tcaccgctt aggagcgctg tacaccagca gcgcgtcgag gccatcaagg 120
gatggtcgtt tctccggag cgacgcgtgc agtcaggaa cgacgagtat actgattcc 180
aggagggaaat atggcgccgg aggtggacat cactggttac tcccatggcc gagttcgatc 240
cagaaatagc ccttgagttt tatgccaatg ctggccaac agaggaggc gtgcgtgaca 300
tgagatcctg tgtaaggggt cagtggatcc cgtttgatgc cgacgctatc ggccagctcc 360
tgggatatct gttgggttgg ga 382

<210> 13337
<211> 405
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13337

agcttttatt ttgatgataa gtttagatat cctgagaatt ctgctcatgg tcaactccca 60
agaacagtgg atgttaattgc agaagacgac cttgntgatt cttgcaagcc tggagatcga 120
gtggcaattg tggggatata taaggctcta gcaaggaaga ggttagtgtga atggagtatt 180
taggttagctc cagacaatat actgacataa ctcccttgca cttgcttgc ttcttgaaca 240
gaaacttgat tgactgattn tcatgtanga ctgttctcat agccaacaat gtttctcttc 300
tcaacaaaaga ggataatgca ccaatctaca gtgttgaaga tgtcaaaaac attaaagaga 360
tagctactag agatgatgca tttgatctgc taagtgattc acttg 405

<210>	13338
<211>	423
<212>	DNA
<213>	Glycine max

<223> unsure at all n locations
<400> 13338

agctntagtc qaacagaata atccgaaaat gtcaaagaat tgggtgttga anaagcataa 60
caagactttc tgtgatttgt ttaaagatac aatcttgca gatgagaatg cttagaaac 120
attaagaang ctagcagatg ggcctaaaag aaatgttata acctggcaag gatacgacat 180
aacaggatc tcattttaca caaaagcaca agatgacaaa agtacaatgc agaacagcgg 240
ggtcacccta agggctgaat ctcaacactt tgcaagtgtc aatgatgcca atccctgtgt 300
agcttccatc ccttactttg ggttcattga tgaaatttgg gagcttaatt atgtgaaatt 360
tacagtatgt atttcaaat gtanatgggt tgacagcaac accagtgtgc gcaccgatga 420
tat 423

<210>	13339
<211>	344
<212>	DNA
<213>	Glycine max

<223> unsure at all n locations
<400> 13339

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caacataatg agaagataat ttgcagtcta acactcaaac cactttata atacttgatc 120
cgtttcagaa tatgtcattc aagataattg cacaaagatt aagaaagcca ctaattagtc 180

tcaattatca taaaatataa tttatttcct ttttatcaaa atattggcac tcctgactcc 240
actaatgcca ttgctatctc tcattccact tggttagagat aagagagaca aagatatagt 300
tgggacaana aaaattcaaa ctttaatttt ctaaaatgac agat 344

<210> 13340
<211> 314
<212> DNA
<213> Glycine max

<400> 13340

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ggaagtgcgc ttagtgcagg tagtggcgct aagcctgaat cactcactgt aagttgaagc 120
ttgatgtacg ctaagtcttg catctcaggc taagtgcata ttgcagaaag atttttggtg 180
ttgcagaaag cgctaagtgt ttttgtgcg ctaagccccca aatgcttact ggaagttata 240
acttcagggtt gggcttagcg cgaggctagg ctaagcgcta gtgttcaaa ctcaaatgtc 300
acgttggcac gcta 314

<210> 13341
<211> 433
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13341

agctnttcat aacactgaat ttgattctg ataattgatt actaaggta caagatcata 60
tgaagggggt aggataaaat cagtttat tatgaagtgg ataagaacca cagtagatac 120
ataattcaca gaaaaatgtc tcatttaat ctacaaggca aaacaacatt tatcacttat 180
atttcatttg ccataataag tgacaaaaca aattatgact aanaacataa tccagacaga 240
caataatgtt cttgagggaa ccaatatcaa tatcaacata caacacactt gggtaaatca 300
tcaagctagc ataactacaa aaccaaacat ggtgtggttg tcattatgaa ctttaattt 360
caaaacanaa atgaaatatg annagtggat aatggcatat gaatctttc actgtaaacaa 420
ctgaccaaac tac 433

<210> 13342
<211> 430

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13342

agctttctca taagtccctaa atgacatccc aaacttaggt taactccctt taacctccaa 60
 ataccactaa atccagattt ggccttccaa ctatcaaagc ctcactcttt ttccactcat 120
 aacatcacat tctcactttc taaccctagg ttaactctac cttcatctc tagcagttt 180
 ccataagcaa tttcagcaca taaacatcac aagcatcatc ataaaaaccc taaaacagaa 240
 tgggtaagct tgactcacac caaacatgac aagtttaaca tgctttcatc aaatctttc 300
 agaaataact atcataaagc ataaacctag taaaactacc catcatatct cccanaaccc 360
 aataccacg aaaaattatg tgagaagaag tctacccaaa cctgaaattn tgaagtccca 420
 cacgttagaga 430

<210> 13343
 <211> 368
 <212> DNA
 <213> Glycine max
 <400> 13343

tgatggattt cccagtgcattt caattcccttca caagtagttaa agttaaaacg gaagtccccag 60
 tgtcgattt acatggactt tgcttataat taggttagatg aatattttat taatacaaga 120
 accaaagaaa attgtgtgaa aaaggctatg aaaaaaatag taatttaaaa tgatagaaaa 180
 ttcaatccaa caagaagttt attaaacaag aatctaaattt aattactttaa aacataactg 240
 agaagaaaat ccagtttata tagaagttaa attctaaaga tgagaatgtt gggacttag 300
 cctactagag ctactattt atgtgatgtt cataattttt ctctatgtat agatattccaa 360
 atttacac 368

<210> 13344
 <211> 414
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13344

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 . agctngcctg gtacatcaactt ctttaggtggt gcattcatct taccaagccc ctcattgagc

agtgtgttag gtacttgttc ccaggttcaa caacattaac aactccatac tcaagttcc 120
ttatataattc tcccatgctt ttacctccaa cgcatgcata agcttgtata ttgatgaatg 180
cccaatagcc aatataacct tctcagttg tgaggccaat tcccttgtt gtgacattgt 240
taaagcatga aaccctgtca aaaattaaaa aacaaacacc ccatgtaaat acctagacaa 300
aaaaatctaa natataacgc actcagttag atgtgaagca cacacaaccc tttaacaata 360
cattcttaga atatgtttga atggaggaat ttagagagaa atagcacana tcat 414

<210> 13345
<211> 421
<212> DNA
<213> Glycine max

<400> 13345

taagcttgag tagtaaaaatg tttcaaattcc tatacatggg actgctacag attgtcggtt 60
acaagtattt gaaatagttt agcgcaagat taaaaaatct atgtgggata cagttacttc 120
taatggagca gatgattttg aaatgactgt ctagaatttc ataactattt ttttatcact 180
taatcagagc ccaaattcatg tttatcaatt ttttagattct taactagaat tagttatagt 240
tttgattaca taagagatcc ttacaaattt aatctctcat tcattataat tatataaagt 300
ttctgactga aaccagcagg aaaactctcg atccttgaaa caccttgcgg atgaaatgag 360
tggtccatta tctccaatgt cacttcctgc accaaagcaa ctcatttca ctccctggagt 420
421

t

<210> 13346
<211> 391
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13346

agcttgaatg tcgctttgt taatcaagtg ttactttatg catttgttata tattaggctg 60
ctgtcgatta ttttgcattt cgatgaatga gtcagattcc gaagcattgc atccagaaaa 120
cgaattatag aataaacgct ttcactgtac ggtccttatt caagagtctt tctaacaatg 180
agttagtagta tattaaacat aattcactat aaacatattt tgactctcat tataattatc 240

atgtaatgta atagaaaaaa actattccaa aataattatt attttaacat cttactataa 300
tattaattat tcttccttt atataactta taatattaat gattgatagt aaaatctata 360
391
aatanattaa taatgacaaa attaatttca t

<210> 13347
<211> 407
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 13347

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tatgatgtat taaaatgttt cattgcacg cgatgatttc gacacataat tgtgtctatg 120
atattttatg gcgcgatcac cctaagagat gattgagttg ggcctaatgt aataagacag 180
tgatcagact aagaccttgt aaggaagatt gtggatcaga acataatccg atcttagagg 240
gtacatagtc cctcagccctc aaacaagaga tgtgcagaga ctaagtgtgt tgagatggaa 300
atacaatctg atccaagaga tacacagccg cctagtctca gtatgagatg tatagagact 360
aatggtagatg ggatttagagc acgatcctat cangggaggt acatatt 407

<210> 13348
<211> 401
<212> DNA
<213> Glycine max

<400> 13348

agcttgtggc ttgttcaatg ctgcagctt aaaccttgaa ggcttgctgc ctctgaagtt 60
tcttctgtga gcgtagaact cgctcatggg ctggaaagta ccggagtggc tgtaccaagc 120
ttgtgtacg gctatcagaa cttgcaagtc ttgtggctcg tggatgttt cgtggatctc 180
tggactcttc ttcatggcac tgagaaaacg ttgttcat gaggaggcca tggttatgtt 240
agatactatc gtgaaaggaa ggcctcacat ctgacatatg aagcagacgc aacttcttc 300
tccttttct gtcactggaa aatatgaatg cattttgtct ttgttacat aattcttg 360
accatgaggt tatatctgac ctggatgaa ataataagaa t 401

<210> 13349
<211> 410

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13349

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ctatgcaagt tgaaagcctt ggagggaaaga ggtatgccta ttttgttg gatgatttct 120
ccagatttac ctgngtctac tttatcagag agaaatcaga cacetttgaa gtattcaagg 180
agttgagtct aagacttcaa agagaaaaag actgtgtcat caagagaatc acgagtgacc 240
atggcagaga ggttggaaac aacaggttta ctgaattctg cacatctgaa ggcatactc 300
atgagttctc tgcagccatt gcaccacaac agaatggcat agttgagagg aaaaacagga 360
ctttgcaaga ggctgctagg gtcatgcttc atgccaaga acttccstat 410

<210> 13350
<211> 389
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13350

agcttgtatc caatagaaga gaatgagcat gtgattgaaa gtatgactga naatgttagt 60
cagattgtca gattgattgt gaaggaatgc attaaccata tcccaatgag agtgtgatct 120
ttaaattttg agagaaacga atgtcattta gtactgatt ttgcgtgaat ctctgaagta 180
tggactgaat gcatgaaatt gatgatgatg aagcccatgt ttgattgtga tagccactta 240
gccaaaaagc taaccatgtg tttgaatgaa ttatcccttg tactcagttt gagctaaatg 300
aattatttgt tgattgaacc ctaaggctat acagtgttat ctcctgctac cttgacttan 360
gtttaggaa agcatcatcc acaagaagc 389

<210> 13351
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13351

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aacaccaacc acaaaccctt gccacaagga cagaattctg aatcaaggc cacttggtta 120
ccaaagtaac caatggcatc aggttggctt caagcttctt aatttcagat gatgcagatg 180
gggttctaac taccctcatg cactccttta atgactatgg catcatttct tgcgcttaac 240
tgctgggagg ttgaagccat cttctcaatt aaatntcctg ctttcacang agtcatgtct 300
ccaaggctcc accactggca gcatctatca tacttctctt cataattactg agtccttcat 360
aaaaatattg gagaaagaag ctgttctgaa atctgatggg tggggcaact tgcacatcag 420
ttcttn 426

<210> 13352
<211> 433
<212> DNA
<213> Glycine max

<400> 13352
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caatggcggt aatgacggac cgaggcataa ccgggttgag ggagtaaagc tcaatgttcc 120
tccctcaaa ggtagaagtg atccaaatgc ctacctggac tggaaatga agactgagca 180
cgtatctgcc tgcaatgact acactgatgc gcaaaaagtc aagctagcag cagctgaatt 240
ctccgactat gcccttgttt ggtggcataa ataccataga gaaatgtga tagaggaacg 300
gcgagaggtt gatacatgga ctgagatgaa aatggtgatg agacaaaggt atgtgcccac 360
tagctataac agaaccatgc gacagatact ccaaggctg tcccaaggga ctctaaccgt 420
cgaagaatat tat 433

<210> 13353
<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13353
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ataagatttg ataaaataaa atctagatga aataaaaattt agataagata agataagata 120
aaatcttagat gaaataatat ctagatgaga taaaatctgg ataagaaaaa atttgataaa 180
attgtctgct ttcttcaagt ctaagcccaa ttccagattc aagcccaatt gcttacaatt 240

ctcctgaaat taaaattaaaa acacaaaatt agtcaagtag gcccataatga taaaactgca 300
taattaattt gacaattaag gctaataagt aataaaaatg gtgacaaaaa gggtaagaa 360
ataggagaaa atgatgacac atcacacacc taacatgcac aatctaatttca 420
424
ctag

<210> 13354
<211> 371
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13354

agttgcctc anagagatcc aggaaagaca aggccgttga aggaaccagt tccactccca 60
aatatgacag ccatcattt aggagcgctg agcaccaaca gcgcttcgag gccatcaaag 120
gatggtcatt cctccgggag agacgtgtcc agctcaggaa cgacgagttat actgacttcc 180
aggaagagat agttcgccgg cggtggcat cgctggttac cccatggcc aagttcgacc 240
tagacgtatc cctcgagttt tatgccaatg ctggcctac agaggagggt gtgcgagata 300
tgcgatctt ggtgagggggt cagtggatcc ctggatgc ggatgccctc agccagttct 360
371
tgggataccc t

<210> 13355
<211> 400
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13355

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tttagtttta tctcttttat cttagtgaga gtgattctcc taaattcttgg agtattcaa 120
gaacaccctg gctgtatcaa aggacttca caaccttgcgtt gttggccct cgctggaaag 180
agtgattctt tccttcctt catttcaac ctgtttttt caaaccacaa ttccagaaaa 240
tccacttatg cccagaatata tctcggttcc ataactcccg ttttacgcac tcaaattaaag 300
tgattcttga gcctaaatgg aattcaaga cgagacatnt tcacccgtt tgaaatcacc 360
400
tcattggag ccctgttagct tggagtttg ccatttctat

<210> 13356
<211> 402
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13356

agctntaatt tcaaagtatt tttttttaa ttcttcattt cagttactct ctattcatat 60
ttaatttatt ctttatgtga taatttagatt gatggtatta aaaaaatgaa gatgacaatt 120
ttaaatcattc ataaaaatgta atgacattag catgtcctta atgccctcat tntatccag 180
atgccaagat caaattaaat taattttaaa aattaaaaga cttattgaa cataaaaaat 240
aaattataag acaaaaacct aataacttat ttttgtaat atttcattnt tttcatattta 300
ctaaactctc ctaagaaaat gtaggtaaa gtaacgtnt aaattttcta atccttaatt 360
taattatggg ttcaagaatt gtagatacca attaatggc at 402

<210> 13357
<211> 411
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13357

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ccccttatct ctaacacatg gaactaaggcgacactcttag ccttagtttc atattcagac 120
tgaaactgac gagaacctct ccatgaattt gtggagtgac tcatttcgt cctgctgaat 180
gttttgagt gcaactatag gcaagtggtg tgctttactc atcatgtact gngctccaaa 240
atgcacaata agtgcataa aagaatctat cgagttcctt ggcaaacgaa tgtaccagt 300
gagtgttgaa ccccttaggt tcatcangaa tacttggcac attatgacat catcattcgt 360
gaatagattc atttgcataa ccgatgcatac tatatgctcc tctggatccg a 411

<210> 13358
<211> 325
<212> DNA
<213> Glycine max

<400> 13358

agcttgattg aagttgtcaa attgacttgt ttcaaaaagct tgagctcaac ttaatttagtt 60
cgcttataac ttgttgttt ctttcctac atctaatttt ccttgaagta gtttttgtt 120
tattaattta ctattttagtt gattacatat cattatgcta ggaaaaggat agtaatatta 180
ctcttctaaa gtatggttat tgaaatagta ctagtataca gcatgaaacc aattaaatca 240
attagactgc actactaagt aatagcatga cataaagtat cattagtatt attattatta 300
ttattattgt gaatacattg tctta 325

<210> 13359
<211> 410
<212> DNA
<213> Glycine max

<400> 13359
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tgcataatca tgaattggcc aactcattag ttggacatcc atatgttaggg cgattgactg 120
aagctgaaaa aacaattatt actgatatga cgaagtccat gggaaacca agaaatattc 180
tgctaactct gaaggaaaac aatgctaata gttgtacgt cattaaacag atatacaatg 240
caataaatgc atttcgttct tccataagat gaagcgatat tgaaatgaaa catttcatgt 300
agttcttga acgtgatcaa tatattcatt ggcacagaat aaaggatgaa gatgtggttc 360
gtgatatctt ttgggtgtcac cctgatgcag tgaagtttagt caacgcataat 410

<210> 13360
<211> 411
<212> DNA
<213> Glycine max

<400> 13360
agttcattg cctaataaggc cagcttacaa aagcaatctc caagagactc agcataagga 60
tgcacaggct aaagttgagt atgtgaaaag attgcattgac caagtgaagg cacaaattgc 120
aaagaagaat gaaagctatg ccaagaaagc taacaagaac aggaaggaaa tgataacttga 180
accaggttat tgggtttggg tacacatgag gagggagagg ttccctaaac aaaggaagtc 240
caaacttcaa cctagagaag acagacccctt ccaagtccaa tcatttttc ttattaaattt 300
gtgaattatt taacactaat agggcttaca aattaagctc tgtgttagttc tcattgtgtt 360

tataagctta tagccttag gaatctgaga acacaacttg aaatgatata t

<210> 13361

<211> 410

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13361

agctntaaca agtaaggtgt ccttntttt tttattaacc accttatcaag aaaaagttga 60
 tgcatttcctt tctttaaact gtttcttgc atttttcctt gtttctctg ccaaagcatc 120
 agctactctc tctaaccacc gcactgtcaa agcacaccaa aactgtgtgc aatttaatta 180
 tgcaacaatg actctcctcc ct当地ctcatt ttcaatatt tgtcatcaat nt当地aattt 240
 ccttctgttt ggccatgctg ttgcgaaacg gtggcaaaaa aactctcatt cgcaagcgta 300
 gaaaaactctc cttgagggtt ctcacctaaa gcccccgc tgaagatgaa tcggatcccg 360
 ttgattctgt caacccgcat tctgcaagaa ggtgagtgaa gcgaatgtat 410

<210> 13362

<211> 357

<212> DNA

<213> Glycine max

<400> 13362

aaaaatgatt gatgttaaaa cttcagacta aaagtctaaa gaataaattt ttcacattt 60
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 ctgccatgtt ccccaaaaaa ggaaagtcct ggctaggact ttctatatca ctgattctc 180
 tgtacaaaaga tgtgctacca tgagccagaa taaaaaatatg atagacaata atgaagtaca 240
 aaatatatca taacaagttag gactacaaag aaagatatac gtacagctgg tctaagttat 300
 tcaagagaga gatatttgat ggaatgggtc cctctaattcc acttccatgc atttctc 357

<210> 13363

<211> 446

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13363

ntctaaagtt ttctggttt ccaaaccctg aaaataaaaag tttgttattc atcttntca 60
ttcccttctc ccttgccaa aaagaattcg ccaaggacta accgcctgga ttcttttgt 120
gtctctcttc tccctttcc aaaagaacta aggactaacc gcctgaattc ttttgtct 180
cccttctccc ttgtcaaaga attcaaaatg acacagtctg agaactctt tgattcttcc 240
cttccata aacaaaagat ttcaaaggac taaccgccta agaattctt tgttcccc 300
ttcacaaagt ttcaaggac taaccgcctg agaactttgt cttAACACAT tggagggtac 360
atccttgtg gtacaagtag agggtacatc tatttgggtt atttgactg agaacaagag 420
aggtaCATC tcttatggat cagttc 446

<210> 13364
<211> 396
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13364

tttaagacaa ttttcctga aatttgggg agttggttt atggataatt ntAAAGGtaa 60
gaaacaacaa cacacacaac aaattaataa aatgtttat gtgtaaaaa aaaaggagag 120
aagtccaaat aaagtgtgtg tgctgttaga acaaagtcaa gtgaaagact agtgagtaag 180
ctaagtggat tgaaaagaca aattggtaa gtctaggatt tgtgctct tagaattcaa 240
gctttgcattt cctagaaaaa ccaatattnt tttgtagccc agcctcacta caagctaata 300
aaagtcccttc tgattcaatt tgtgcatttc aaactntatg gcatgagatg aagtacaaag 360
attggacctc ttgttagtta ttattgctaa atagct 396

<210> 13365
<211> 215
<212> DNA
<213> Glycine max

<400> 13365
acattctatt gccgggtcga tgactcactg aatcgAACat attctccacg tttgctatgg 60
agtgtaaGCT ccacttgaaa cgaactgact gaattatggg agcgattgat ctaatcccta 120
ttatgtatga aagctgcgac tgtggcattc aaggactcct tgtaatgcct gacatcgct 180

gataatcgac tacacttata ctgactcgct atgat

<210>	13366					
<211>	432					
<212>	DNA					
<213>	Glycine max					
<223>	unsure at all n locations					
<400>	13366					
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agggcaaagg	cagaaaactc	tgcccaaaac	acaactcaaa	atcacagctt	ttcacataca	120
aataccccag	taacgttcc	ttcggttccaa	ttcggttaacc	gttggatcga	ctcgaaaatt	180
ttactggcag	tctctagtagc	ataagtctac	atttgaccg	ttgggatctg	ctagcaaatg	240
ttcagaaccc	gatatgtact	accctttca	caaccagcca	tacacaagca	tttttctgca	300
cttatacaaa	attctgtgc	acatttcaac	agcanaattc	tgcataaaagt	gcagatttcg	360
aaaactactc	ttgccttcat	ccaattttgc	ccaaattgaa	tcctacaagt	cccaaatcat	420
gtaccaatca	tg					432
<210>	13367					
<211>	438					
<212>	DNA					
<213>	Glycine max					
<223>	unsure at all n locations					
<400>	13367					
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aaaaaaaggtg	tctgtcattc	atctcaaact	actgtttatg	tatttttatg	catgcaagca	120
ctcacgtgca	cataatataag	tngttgacta	gttattaatt	ttaattaaaa	cataaccata	180
tactataatt	tcaatttattt	attgtaaaac	taaaataaaaa	ttatatatattt	aaaaatattt	240
atttattata	attataaata	tataaaaact	gtctatcaac	ttgtggaatg	tataaactac	300
aagtttagtat	attaataaag	agaaaatata	catataatat	ataatctgag	acatgatatt	360
ttgtcaatga	aaactaataa	tataaaaagta	tgtgatttt	tattggaata	aaatatata	420
tttttaataa	aattatata					438
<210>	13368					

<211> 331
<212> DNA
<213> Glycine max

<400> 13368

acagagcgga cctagagaga tttgcgggtg gtcaagagac cctgcggatg tcaagtgggg 60
tgctattgcc caaaaccaag cttgaccaat cccgacccag cccgggcata gtcagtcagt 120
gagaacctgt gatgtaccta aacaggcgag ctccgtacag tcaacagata aaaggaacat 180
agaccacaaa gcaaagacgc tggtgtggtg gctggccagc tgtgaatctt gtgtgatata 240
tgggttatgg cctctggtaa tcgattacca agggtgggtc atcgatcaca atgcttagga 300
atgaagacag gagactaaga tggtctctgg t 331

<210> 13369
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13369

tccaggaatg acaaggcgac cgaatgatta ttccgctcc ggagtatgtat agtcaccgct 60
ttatgagcgc tgtacaccac cagcgcttcg aggccatcaa gggatggtcg ttctccggg 120
agcgacgcgt ccagcttatg gatgacgagt atacagattt ccaggaggaa atagggcgcc 180
gacggtggac atcaactggtt actccatgg ccaagttcga tcaagaaata gtccttgagt 240
tttatgccaa tgcttggcca acagaggagg gcgtgcgtga catgagatcc tgnetaaggg 300
gtcagtgat cccgtttgat gccgacgcta tcggccagct cctggatat ccgttgggt 360
tggaagaggg ccaggaatgt gagtatggcc agaggaggaa ccggtcggat gggtt 415

<210> 13370
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13370

tctacattca atttcgagct ttctcgatata ttacggattt ttatcggac atccgagtaa 60
aaagtgattt tggttgaat ttgctcacgg ctccgtattt ccatttcgag cgtctcgata 120

tattacggga ctcaatcgga catccgagta aaaagttatt gttgttgaa tttgctcaga 180
gcttcggcat tccatttcga gcatctcgat atattacggg actcaatcag acatccgagt 240
aaaaagctat ttagtgcata atttgctcag ggctccagca ttccatttcg agcgtctcga 300
tgtattacgg gactcaatca gacatccgag taaaaagtta tagtcgtttg aatttgctca 360
gagcttcgac attcaatntc gagcgtttcg atatattacg ggactcactc agacatccga 420
428
ctaaaaag

<210> 13371
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13371

ccctcgtaa ttgttatatt tttattcaat gacaaatttt atttatggta aagccgnnaa 60
tcatgataat aattactttc tttaaaaaaa aactttgata ataattatct taaaaatcat 120
ataaataatt atatgttaact aattgatagt gtaaaagcta ttaacctaac aatacatgct 180
tattaactct taaaattgg taaaactcgc tagaaaaccc aatcataatg gttgaaaaaa 240
gacgaagaac taatattgaa taattggccg gcttcaatgg tttctttca ttgttttta 300
tctttatga tatttaactc aataaaaaat actttgtaac tagaaaaagg ttaaatgtca 360
agttacaaaa ggctgtgtct gagaattacg tataaaatat tatcatttac catattatta 420
435
ttacgttagtt atcat

<210> 13372
<211> 314
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13372

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cgtgagatga gactgatcga ngccgtaccc gaatcatata aacatgagaa tgcagtaact 120
aggaagtgtat cctaggtcgt ttcccaacga gcagtgcacca accaaatgtt cataatatac 180
ttgcagtaac agtaacgatt gggggggggg tgtttggact ccctccttat gccgattatc 240

ccctgcnnta agactatgaa gaagatgcc gtttatgcc tttactgcc ctcaggatc 300
cggccccctca tgaa 314

<210> 13373
<211> 393
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13373

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agaaaggccc aagttccaaa gagttctgag agattttgcgtgtgaagat ctgcagagac 120
gagagctcga agtggaaagcc attctgaaag cttgagaaga gtttatgagt gattgtgaga 180
tccttagaggtt gaaggagaca tcctcaccac ttgtatccc gcaatcttc attntgctct 240
tctttgtgtt gtaaaggacg tttccagact atggaaagtt aaatcctcta ttggatcttc 300
cctgttagta cgtgatgtaa atatatttct atctatgtaa tggatgtctg tggatgtct 360
gcgctatctc ctatcattc atgtatgcct tta 393

<210> 13374
<211> 388
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13374

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cttggctaga actatgtatgtt atgttgcgtt tcttgaagtt ttatgtttaa aaatgagttc 120
tttagatgtc aaaactttga gttagcctta aatttcaatttca aatcgaaatgttca 180
aagtggaaaa acaaaaacaaa tttaagcata tttttagga tttaatttgcgttca 240
aaatggatgttca aatgggtgttca tggactaaat ttctttaata tttgacttca aaaaatgagtt 300
tggttaggtgttca gaaaatcang gtactatcag accctaatttca tatcaggaca agtttctcaa 360
gaaaacaaaa caaaacanaaa aataatgttca 388

<210> 13375
<211> 356
<212> DNA

<213> Glycine max

<400> 13375

atcaatacag agcaggact tgataagaag attgatgcac aaaacactac agtattcaga 60
agaatcacca gaagacatcc tactgaagaa caatcttaa aagataaccc attaccagct 120
caagaagata tcagaggca accactaaga caagataaca agcattaaca actatattc 180
aaattcaaat tttgcaagct gtatagtaga aaatagtggaa aaaatgttagc acccgaaggt 240
gagaagctgg agaagttggaa ggataaacaa ttgacataca gatagatgaa aggaaagctc 300
atgcagccgt gaatgtgttc gaaaatccct ctaacatcca tatgttgaa caaaat 356

<210> 13376

<211> 396

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13376

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ggagaaaacct ttgctatgac tgccatttc acacggtcaa atttcctgtc agcccaacaa 120
tgtcattact cagccataaa cagttccttc cacccataaa tccacaaagg ccatccccaa 180
tcatccacaa agcctgcccgt ctgcacatcc agtgccaaaa caccaaccaa aaaggaattt 240
tgttagaaaa agcctgttagg attcacccca aattctatgt tcataatgcca acttgcttt 300
atatctactt gataatgcaa tggaagccat aacccctgcc agggttcctc aaccccttattt 360
nttccgagga tacgactcga acgcaacatg tgcata 396

<210> 13377

<211> 396

<212> DNA

<213> Glycine max

<400> 13377

actatagagg ataatgccat ggcgactgcc tctaataattt ctagggaaat ggaaccggcg 60
ctgcaaccccg caataaactt aggccgatat agaaacacga cggtgttcgg tcggaggtat 120
agtccctcaag cttAACCTTA tggcttgccct ccagacttca ctccccgtac cgctccagac 180
gatttgaacc aagccctac cttcgagggg caactccctc cttatgccga ttatccctg 240

caagaagacg atgaagaaga tgcccgctca ggcctctac tgcccctcaa ggatccggcc 300
ccccatgaat tgccccaacc aaacatagtc cgccatgtcc catctccacc cgcacccgtt 360
aaagaatctg ttccctttgc ataagatacg gaaaaga 396

<210> 13378
<211> 231
<212> DNA
<213> Glycine max

<400> 13378
catggctcgt tctgcattga ctagtgata ctgtcggtac aaaaacttgg attgtttgt 60
gatcctcggc cataatggac cgtgttgag tattactctt cctttataca aaagtataaa 120
ttctatgcta ggttgaatc tcttcctga ggaaaaccct taggccggag ctaatttgcc 180
tcggttgcag atggtagct ggttgactg gacaaagatt tctaggttct t 231

<210> 13379
<211> 245
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13379

gggggggggg gaccacagcg gcggcttgaa ggaanaccaa angccagac cgccagcagg 60
ggctnananc ccaaaccata cttaccacga tatcctcgtg tattgatcaa gctacttata 120
tcgacggact atgtgcctaa acccatacaa ggttcataac aggccccat cataactctg 180
gccataaata ccacagcattc ggacagacaa cgctgcccata agatggactc cactgctgaa 240
atgct 245

<210> 13380
<211> 438
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13380
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ttgacaagga actcagtcac tagatttgct acgaagttaa acacctctac tgcacaacca 120

ccacacagcg atagtggtag tcctacgtaa aactggctt cataaaaata accaatcaat 180
cctcttcatt ttagtatttt ctggataata accaccgata actaagaagt acaaatgcag 240
gaaatgatgc aactaattta tataattatg ttacctaaga acgcacgtgt gaaccttcac 300
catttcaaata accagaaaac attgaaatta ttttagattt cacatcaaca agtaataacc 360
gtacttcaaa tctttctagg actagtcatg catatataac atttagttca catgtgagaa 420
aataaaataga actagtaa 438

<210> 13381
<211> 457
<212> DNA
<213> Glycine max

<400> 13381
gaacttagaa actcagcttg aatctctcct ttgggtggac atgattctct atgtttcat 60
ggcgacaag catacaacaa ttacagttag attatctgat gtatcttaggc gcaatgcttc 120
cttgacttagc tctccggcac attgctgtgg gtcatcatgc cttcttaatc ctggcgaac 180
aagactaact gcaacttggc tagacattac atccaaatc ccatcacacc caatgatcaa 240
gaactcatca ccctcagtca atgtaaccag ccgaacatct ggctcagcaa taagagggga 300
tgcagcacca agtggaaatt tcaagtccc atccccagg gctcgagttt ctgaaagata 360
accattgaga tatccatcat caatgaaccc acctaactcc tccaccctcc tcttctctgg 420
tagataactt ggcctgtgat cattagacat ctcaaca 457

<210> 13382
<211> 400
<212> DNA
<213> Glycine max

<400> 13382
tctacttatg tggcagggcg ggcttgcttc actatcttgt tttcaacgcg agttttgacc 60
actgtgtttc cttcccgca tgcttctttt catgtccgcc tgagtggct tatagcctaa 120
accataacttc ccacgatttc cttgggtatt tatcaggcta gttatgccgc cgttgtcttt 180
gcctaaaccc atccccgggtt cataaccgtt ccccaacata actcgggcca tcattaccgc 240
tgcatcgac agacaaggct gcccaaagag ggagtccacg gagaaaatgc tgaccaccc 300

aaaagactgg aaagtagttt ctaacgatTC ttctacggcT tccacataAT gcatggagGA 360
tgggcagCTT accaagatgt ctTCCTTGCC tgacacgatG 400

<210> 13383
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13383

cccaccatn tctcatagta gaacactggT tatgtgccta ctatcattgg tatcatctgc 60
ctctccatca ttggcgGCgc tacttgagtt gtcataatccc tccatcttg ggcttatctt 120
ttaaaaaatt cgTgctcctg ttctgtagct gcattctatC tggagtCata tcagaattgt 180
actaataactg cctaacaAAG gcaaccatta agtcttccg agaatggatt tggaaaggTT 240
ccaaattagt atatcagatg acggctacCC tagtaagact ttccTggaag aaatgcatca 300
acaattttc atctcttGtG tatgctccaa ttntcctgca atacacctc aggtgattct 360
tggggcaagt ttcccccttG tacttattga agtctgacac cttgaacttc ggaggaatga 420
ccacgttggg tact 434

<210> 13384
<211> 222
<212> DNA
<213> Glycine max

<400> 13384

atcaattctt cattaaatc gtgttgatag atatcaattt cttatATgca aattaattta 60
ttttaaatga gaaattacat taaatttata aaacaaccat ctatTTAAA taataaaaaAA 120
tttttaattt aataattttAA atataAAata atatTTact aggatttgct gaccacaaca 180
ggattttaat acataccagg tatttcgca ctcaataatt tt 222

<210> 13385
<211> 268
<212> DNA
<213> Glycine max

<400> 13385

tcctcacgga acacgttacg gaagcgttcc ggaagcgccc cggcttagat tttattcagc 60
gagacaattt ttccaagcat attcgaaaga gagagatttgc cctaacgggc tggaccctt 120
ccttcttcaa ttctccccct attgatagca aaatacggga ggtgggtgcc gcccagctcg 180
cccaagcgag ctcatctcgc ccaagcgagc acggttgctt actgcagaaa caaccgcctt 240
ctggaggaaat tttctggatg gcccaaat 268

<210> 13386
<211> 383
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13386

tcttcgtaga gcgtggcatt acggagattt ctttcgtaaag ctttacgga ataactggtt 60
ctgtaaacaag tgtttacgg ctacggaaaga agttcttgc taaaaaattt actgaagaat 120
aacttcttcc atatgtaaaca gatctacaca aaaaaacggt aaaatgcgtta cttccggcga 180
aataaaaaaca acaataacaa cagcaaccgc caatatttaa ctttcaccga atgactacct 240
cgaaaaaaaaacc acccagaatg gcacaaacta gacgacagtg aaagaaagaa 300
agtgtaaaac tgtaaaaaat tacacaggcg tcgtatattt aaagaataac gagacagagg 360
aaaaactggc attttataaa aat 383

<210> 13387
<211> 177
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13387

ataacccacc tccccgtgc cactccaatg actcacgtac tgccacgtac ccataatccgc 60
gtactataac accggggcgc atagacctnc aaggttccc aacatccaat aatacgacat 120
tcaaacagca cagattatca cagcctacaa aacttggcaa ggagaaaacc tttcaaa 177

<210> 13388
<211> 440
<212> DNA
<213> Glycine max

<400> 13388
gatcgaccac tttcaagctg aactgcaa ac atatttagca gtgtcaataa ccatggaatg 60
gaacagttt a tgcatggaa caattggagg cgtaatttag agactgtagg tattataatc 120
agataaagag ttggctgtca tggacatctc attggggct gttatcacct aaacttctaa 180
cgtggtaaaa ataataatgg aaattccaca agacactagt ataaagcaga atattttgat 240
tctgtggagt tggtttcaga gatacaaaga aatattaaaa tctaccaa at tgcacaaatt 300
gtgaagtagt gactcctagt aatatgcact cttaagacac tagacctcaa tggatata 360
aagtttgttc tggttactga tttacaagtc agtggaaaggc ggaacaaaca ctacacttca 420
aggaccattt g atattt gaca 440

<210> 13389
<211> 452
<212> DNA
<213> Glycine max

<400> 13389
cttgatgata tggcttcac cgacgaaagg atcaaagtga gttcttataa aaggcaaatc 60
tgatcatcat actttgataa atgccaaaaa aactaggca aataaagagg gtgaggatga 120
aggagaagcc tggctgtga ctgccattcc tatacatcca agttcccac caacccaaca 180
atgtcattac tcagccaata accaaccttc tccttaccca tccccagtt atccacaaag 240
gccatcttta aaacaaccac aaagtcttcc gcacttccaa tgacgaacat cacctttagc 300
acaaacaaag agcacaacc aagaaatgaa tttgcagcg agaaagcctg tagaattc 360
cccaattcca gtatcctatg ctgacttgct cccatatcta cttgataatt caatggtagc 420
cataacccca accaagggttc atcaacctcc at 452

<210> 13390
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13390
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aagtaattgt tgtttgaatt tgttcagagc ttcaacattc aatttcgagc ttttcgatata 120

attacgggac tcaatcagac atccgagtaa aaagtttattc tcgtttgaat ttgctcaggg 180
cttctgtatt caatttcgag cgtctcgata tattacggga ctcaatcaga catccgagta 240
aaaatttatt ggtgtttgaa tttgctcaga gctcaacat tcaatttcaa gcgttccgat 300
atattacggg actcaatcag acatccgagt aaaaagttat tgtcgttga atntgctcag 360
agcttctaca ttcaatttcg agctttcga tatattacgg gactcaatca gacatccgag 420
taaaaaagta 429

<210> 13391
<211> 321
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13391

agctgtcatg cttatatggg catcnggacg gagtcctttt gttcgaccaa gnctatcgca 60
gggggttgta acattgtggg ttatgacata tgtcacttag ttgaagccaa tggccatgcg 120
agaggttattc gagttccggg ggagaaaata tagggacttt tgtatcacta atgttcattt 180
tttctccac gccctcactg atcatatctc tacgaatcct cagtcttgaa tccgcacgac 240
tatgttaagac aatgctcgca cgcttatatg ttgcctgatg ggatgctatc gaccatatca 300
aacagtctat agatcttcc t 321

<210> 13392
<211> 407
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13392

acctaggctg atgaagacnn ctantattca aaatgctgct ggttgcagc ttctccccaa 60
aagcctttgg cagtcctgca cttagaacat gcacctcaact ctttcaaaat ggtcctattc 120
attctttctg ccaaaccatt ctgttgtgaa gtgtgagggaa ctgtttgtg cttttgatg 180
cctatttcc tgcaaaaactc attgaactgc tctgaaacaa actccaggcc attgttagtt 240
cttaaaactt ttaattttgtt accaagtgcg tttccaacaa gagtatgtca ttctctgaat 300
ttttgaaaag cttccgactt attttcaaa acatacagcc atactcttct tgagaaatca 360

tctatgatgg tgagaaagta tgagcttcca ccatgagtagt tcactct

407

<210> 13393
<211> 441
<212> DNA
<213> Glycine max

<400> 13393

tcaacatcg accaacttcca gggtgctgga atactccat ggacttgatg gggcttatgc 60
aagttgaaag ccttagagga aagaggtatg cctatgttgt tgtggatgat tactccagat 120
ttacctgtgt caactttatc agagaaaaat cagacacctt tgaagtattc aaggagttga 180
gtctaagact tcaaagagaa aaagactgtg tcatcaagag aatcaggagt gaccatggca 240
gagagttga aaacagcagg ttcactgaat tctgcacatc tgaaggcatc actcatgagt 300
tctctgcagc cattacacca caacagaatg gcatagttga gagaaaaac aggactttgc 360
aagatgctgc tatggtcatg cttcatgcc aagaacttcc ctataatctc tgggctgaag 420
ccatgaacac agcatgctac a 441

<210> 13394
<211> 433
<212> DNA
<213> Glycine max

<400> 13394

tctacttatg tggcagggcg ggcttccttc actttcttgt tttcaacgcg agttttgacc 60
actgttcttc cttcccgcgta tgcttcttt catgtccgccc tgagtggct tatagcctaa 120
accatacttc ccacgatttc cttgggtatt tatcaggcta gttatgccgc cgttgtcttt 180
gcctaaaccc atcccgggtt cataaccgtt ccccaacata actcgggcca tcattaccgc 240
tgcatcgac agacaaggct gccccaaagag ggagtccacg gagaaatgc tgaccacctc 300
aaaagactgg aaagtagttt ctaacgattc ttctacggct tccacataag gcatggagga 360
tggcagctt accaagatgt cttcccttgcc tgacacgatg accaggtgcc cctccactac 420
gaatttcagc ttt 433

<210> 13395
<211> 353

<212> DNA
<213> Glycine max

<400> 13395

cacatagctt catttcattg atttgcacca cacacactta aacactttt tttatactta 60
cagttttttt ataacgaaaa caatgtgtat atactgctct gttttgacca ttttatttct 120
tacccagtct ccccaaattt tgggacaaat ttgcttaac atataactcc cccaaatttt 180
ggacaaaattt gtcttgaacc aagctttct gtggatgtat ctctcctaca agctaagaca 240
aggttagcact agataaaaact gtatatgctc aaagttcaat caatcaatca atcattcaac 300
tcaaaaactgg gtgcaaggga taaatcattc aagcacgtgg tgagctttt ggc 353

<210> 13396
<211> 323
<212> DNA
<213> Glycine max

<400> 13396

cgtgttcttt gaaagatccg tcccccttt tgcaaatgtt ctatagttgc atcctatccg 60
gaaccatatac aaaattgtac tgatactgcc taacaaaggc aaccattatg tccttccaag 120
aatggactcg ggaagattcc aagttagtgt accaggtAAC agctacccc gtaagacttt 180
cttggaaagga atgtttagc aattcctcat ctttgcgtt ttccccatc ttctgacaat 240
acatcttag atggttcttg ggacaagtag tccccttgcgtt cttgtcaagg tccagcacct 300
tgaacttggg aggggtgtatg ata 323

<210> 13397
<211> 314
<212> DNA
<213> Glycine max

<400> 13397

atccttcac ataaaagctg tgtgtaatcg attacactta tttggtaacc aattaccatg 60
gatagcctct gaacaaaatc aaaagatgtt actgttccaa tagtttcaa gctttgtga 120
aagacatatac tttccaaat ggcttcaag gtttgcac aagttataa ctcttctaatt 180
agtttcttc actagacttg agagtctata aaagcaaggc tttgatctgc aaacaaaaac 240
tttgtctaacc aattcttag acaacaaaact tttgccaatc tgatctctaa atctcttga 300

acttgttctt cttc

<210> 13398
 <211> 348
 <212> DNA
 <213> Glycine max

 <400> 13398

 agggagagaa gttgaacttt gatgcgcattc tcacaagttt cacattcatc aaagttacaa 60
 caagtgttac acatgcttctt atttatagcc tagtagctt ctttcataaaa cttccttgag 120
 aagcttcctt cagaagctag agcttagcta cacacatcct tctaatacgta aagctcactt 180
 ctttcataatg agaagctaga gcttagctac acatacaccc tataatacgta aagctcaccc 240
 tcatgctaaa atacatgaaa atataaaaaa gtccctacta caaagactat tcaaaaatacc 300
 ctaaaataca aggctaaaac cttacactac tagaatggcc aaaataca 348

<210> 13399
 <211> 383
 <212> DNA
 <213> Glycine max

 <400> 13399

 gagtttatcat gatatttcaa ttctctacaa cgacatgcaa actggtcctt ctgggttggg 60
 attaagagat gttattacat gcatgcttag gtaagggtca acaaccaaca tcaagcatta 120
 gatTTTCCA aaattaaaaa gtattctgtc acatagaata gaatgataga aattatgtatg 180
 tttagccgtt ttcttttaat tgacgaagaa agcaaatcaa agagaatata tatatgtatg 240
 tcacctcaaa ggaagcatcc tgatgttac cccgctcatt gaaagctttt gaagcctata 300
 atgcatgttt atcacaacaa ttaattaacc aaaaagatga aaatctgttt gaaaatataat 360
 tgagaaaaccc actggtcact cac 383

<210> 13400
 <211> 399
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13400

gtccatacca ggcactaagt ctagggagaa ctcaacctct ctctcacgtg gtaatccgga 60
caccttaaac acctttggaa actccctcac caaaggata tcactcagag gggtttgcc 120
tcaacactca tactagctaa gatcatgtat acttgtcat cctccctcaa agatgcctca 180
acctggtag cagacaaaaa catatcaatt tcactcacac caaaaagacaa cagattctc 240
aaaatagttt aataaggcgt gggttggaga taaccagtcc ataccaagaa taacatcaat 300
ctgactcana ggtaaaacaa ccaaataaaa caaaaactat ctatcagaaa ttaagatagg 360
acattgcaag cacacatcag atgttaaaaac agacccact 399

<210> 13401
<211> 446
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13401

tgatgataaa agtgagaagt acgtgtgtgt gggttacgtc tcaatatcca gngggtacaa 60
gctctatagt ccaaattgtt gaaagatcgt cataagtcgc gacgtggagt tcgacgaaga 120
agattgttgg gattggagtg ttcaagaaga taagtatgtat tttttccctt attttgaaga 180
agatgtgaa attgaacaac caatcataga ggaacatatt acaccacctg cctcaccgac 240
accaaggctg gatgaaacaa gttcaagtga gaggacaccc cgactaatga gcattaaaga 300
gatttatgag gtaacaaaaa acctaaacga cattaacctc ttttgcctt tggtgattgt 360
gaggctctat gctatcaaga agcgacggaa aacataaaagt ggaagacgcc atggacgaag 420
acatcaagtc aatcacgaag aatgtat 446

<210> 13402
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13402

tgacttgggt ttagacatga ctgatacatg atnngggact ttgttgaatt gatttggca 60
agattggatg agaggaagtg tgaatttcga aatctgcact ttgtgcagat ttttgcgtg 120
aaatttgca gcaggatttt gcacacgtgc agaaaaatgc tatgtttcg ctggttgtgg 180

aaagagtatg gcagaatgag ttcttagatgt ttgcttagtag atcccaacgg tcacaatgta 240
ggcttatgta ctatagactt ccagtaaaat tttggagtcg atccaacggt taacaaattg 300
gatcgaagga attgttactg gggctttga gtgagaaaag ctgtgattat ggttgtgtg 360
ttgagcagag tttctgcct ttgccctggc ttgctggct gtgatagctt gtgctg 416

<210> 13403
<211> 316
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13403

tatcctggtc tccttggtgg tgagctgcta canactcttc tttcctgaa tggcattatac 60
tctgtgttcc ttctccattc tactaccatt catcttccaa gaagcaaatg aatccatagg 120
tgaagaagat ccaacgccta caatctccac atgggactac gtcaattcca ctatctaatt 180
gcgccttctat atgttgacac accaaaatttgc cctctgtatgt atggaaactt gagagaagat 240
attgatacat aaggattgcc caatgacatg acgtgtctat atcagtcctt tggctggggg 300
tatatgcata aatcag 316

<210> 13404
<211> 332
<212> DNA
<213> Glycine max

<400> 13404

ccttgcgtt cacaagtcata ttctgcctgc gtctatctta ttttcacac aagcatacaa 60
aacaaggaaa gaaaataaaaa aatagcgacc gaaatgaaat accaatacca cacatccaaat 120
tagaaaaat aaaaaccgccc cctaattttaa ttccctgatt tctcaatatt tattatattaa 180
gcgggtgggac cctttatata cagtttaatt cggccgcccag ctttgcgtc tcttcgtct 240
gcgtccatcc cggcggttac tttgcgtttg actctcattt cttatcttc tctacaccc 300
tctctctctg tctctcaatg tctataaggt ca 332

<210> 13405
<211> 440
<212> DNA
<213> Glycine max

<400> 13405

gcttgatgtc ttcaaacaca ctatgttagac ctaaaggtag attatcatc attgtttatt 60
tattggatt cattatgcga tataattcggt tgtaaccgt cactaaccaa ttaatattat 120
caactactcg tttggtaag caaggaaatt gttggtccaa caaaaatcat ttacgcgtac 180
agcatacatc attgtcataa ttgacaacac ataatgacat tcatagttta cctgtaagaa 240
aattggcacy taaaatggaaa tggttttca tctattcggt agaaagagct ccaaccata 300
agtggctgag actccatgtat catgctccag acacgaagat atataaagac gtcgaagttat 360
tgaagaagga ttataagtcc ctcccttgct gaaacagtag tagaacgtgg ggaatatgaa 420
440
aggaagttgg caatttat

<210> 13406

<211> 387

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13406

cacccctctcc ttccccaaacg cggcgatca tcttagcgcc gaggtcgtaa accgtttcca 60
tctcggtcggt cttagcggtc agttcccggt tcttcgcagg ggcgcacac accgcagggc 120
ggtcgatctg gacctcgacc acttcccatt caatgacttc ggcttcttcc ttgatgcgg 180
cgccgatggc cttgcggaaag gcctgngtga gggcttccgg tttggacatt tccaatgaga 240
agatttcgct ggcagcgatc atggaaaaag gggttcgag gccganggac ttggccatgc 300
ccatggcgat ggcggctttc ccgggtgccgg gctggcctgc taggaagacc ggcggacgg 360
387
cgatcttgcc atcttaatc atctgga

<210> 13407

<211> 312

<212> DNA

<213> Glycine max

<400> 13407

tacttataac actacaaaat aaccataaaat tggaaagagtt tgataacaatt tacacaagg 60
ttatacacaa aagtttagtcg tatgcaccga ctaacacact gacatccttt gaattttgca 120

atgcaagggtt attatcttca agaagtctat ataagagtct tatagcacgg aaattgtgcg 180
cttcctcaaa ttccatcaca atgtgcttct gatacttgaa ttcaagcaag cactattgt 240
ttggctccta ttttattata aattggtcac ctaacagttg aggatactgt gagcgtagt 300
aagcctaattg gt 312

<210> 13408
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13408

gaaagaggaa gtgtagaagg tgaaactgcg tgctnnntt cgttgaccac agagggact 60
tggagagtgt cgccggaggc angagacctt gggatgtca ggtgggtgc tattaccaa 120
aaccaagctt gaccaatccc gacccaaccc gggcatagtc agtcagttag aacctgcgt 180
gtacctaagc aggcgagctc ctggcagtca acagataaaa agaactaaga ccacaaagca 240
aggaggctt tgggtggct ggccagctgt gaatcttgc tgatatatgg gttatggcct 300
ctggtaatcg attaccaagg gtggtaatc gattacaagg cttaaaaatg aagacaggag 360
gctaaatgg tctttgtaa tcgattacca aggggtgtaa tcgattacca cgcttgaaaa 420
cgaggctgg aagct 435

<210> 13409
<211> 354
<212> DNA
<213> Glycine max

<400> 13409

gatcattttc ccctgccatt cattgatcaa atgcttgcgc gcttggcaag tatgtctcat 60
tacaattttt ttaggtttt tctggattt tacaattca tattgtcct gaggatcaag 120
aaaacaccac attcacctat cccttggca ttttgccta taggaggatg cccttggcc 180
tatgcaacgc ctctggtacc ttccaacggt gtatgcttag cattttcaat gattttttag 240
agagttgcat agatgtgtt atggatgatt ttactgtta tggatcctct ttgatgcat 300
gtttggatag tctaaataga gttcttaata gatgcattga aactaaccct gtgc 354

<210> 13410
<211> 376
<212> DNA
<213> Glycine max

<400> 13410

ttgcatcaat attacatctc tgagggtaac taacagtcaa agtcacaacg tactttggct 60
ttgatgttaa atcctgcaag cagcaactt atcaaatact ctgttatata tagatataacc 120
gcaataaaaa catcagaggc ctctccactc caaaaattta cagactggcc tcataataaa 180
acagaaaaata aaaatcaagc tcgaataaaa aatgcacgtg gcaaggcaaca taaattatct 240
atgtcactat acttgtccca attatatcaa tcgttagatta ggggtggat atttagtgta 300
cttcatcgaa acaaacaag aatctggtga aagcatgtaa ggcttcttaa caagttcata 360
acaacagtag caggac 376

<210> 13411
<211> 574
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13411

cccacaccca ccaacccaca acgaaagtgt aggcaaagca acactcnaac ttanatnta 60
atcaaaaantt cacaaaaaaa acnanaagag gagcggactg agcctcgac gccnaacaac 120
naaannaaan aacncnaccc naagccaaa caagaaacaa gagagaagga ccagttccc 180
tataacgaac ccaaacgagc acacggcagg cggcggtga acccaaccca cacgggacag 240
aacccgagtt agcaagaaaa cagaaaacaa gctacgcacg ccgctgaacc catatcgaaa 300
cacagcgaac agcaaccgcg ggcagccat gcgaagaact acgaacaggc ctatccatga 360
tacccacatc atcgaaagag acaaacatc acggcagcgg gggccaccag gctactgcaa 420
cccctcagca tggagctagg acatcgac cgacgatact ccaacgaaaa gcataaacaa 480
aactggccgg cgaacacagg cgacactccc gaacgcacaa agccaagccc caccgaaacc 540
tcgaaagaaaa ccaagacacg ggccctgacc accg 574

<210> 13412
<211> 260
<212> DNA

<213> Glycine max
<223> unsure at all n locations
<400> 13412

cacactgcan cancagggcg ggcgttccat ggcatacgaa cgacacaaccn caatncttc 60
acttgttatt ctctcatctg tctgtaaaac gtatgtggtc aatggtatct agcacaaaac 120
taagcttata gtcattgtgt tactgtccat aacgaaacag tacatgaaag tcagatgcc 180
catctgacat aagcttccgt tgtctacttt ctctctatct caatcggcat cctactcaat 240
tagaacnaag cagtttatgc 260

<210> 13413
<211> 340
<212> DNA
<213> Glycine max

<400> 13413

atcaatatga caagacgacg gtgtgttagag tgatccaaga cgtacaaatg gacctccact 60
gaacttatta atatacagat cgagatatct taatgtgaa gagcttccaa atgatttacg 120
aagagcacca cccattcatt tgtggagaa ccctatccgc tcaatgtata tagatgcccc 180
aacatgatct gtcggattga ctgaaagtgc agaactctga gctgcaagat cagttagttc 240
acgggatata cacggagcta gaattgctaa cagtagacat tcctgtgggt ggagtgggac 300
atatgacaag tatatcaccc tccagtagca gacattaccc 340

<210> 13414
<211> 441
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13414

ntgattgccc atatgcacgc cactactggt aacggttcat attatataat caaatataata 60
ttgcgagata ttttcatct ccagagacac tataggaatc atgtctgcac atgattaatt 120
ctaatttcta catacgctat attgttcaca taagtctacc agacaataac tatatccaag 180
tgcatcaaat tctaaatcat attagcgggt ttttgcacat taccttctac aagtgcacaga 240
ccacaaatgt gtgcaaagca agtttagtaat gtgacatagg gacacaagaa atgaataaac 300

aaacctgaga ttgaaaataa tataatgttt tggttcttta ataattgaac gcataaacatt 360
gagctgaatt cccaaattgca ataaaattga atctccagaa taatatgtct tcagggtaca 420
ttaccttgat tcgtcattaa t 441

<210> 13415
<211> 364
<212> DNA
<213> Glycine max

<400> 13415
atattgaaat gatgaatagt ttgtgatgtt tgtaactggc gtctagatat ggactagtagac 60
actgcagcga acaattttga cagcagggtcc aattgttggg tttccaaagg ttagtgccat 120
ccttaagtca gaaaatatgg attgacaaaa gtatacatta ttagtgctcc tgcacttact 180
atctatatgt tagatacaat ggccgcact tcatgagata aatgccggc tggatgg 240
gaagacatat gaagaaatca agaagaacat gccagaggag tacgagtatg tcacaaactt 300
gtaatttgc ttatttccag ttgaatgcta ctggcacatc agataaaaaa aaccagtgcg 360
tgg 364

<210> 13416
<211> 383
<212> DNA
<213> Glycine max

<400> 13416
ttcttggca acatacacac ttgctcaaac tcatgaaagg aaacacaaac tcaatcacag 60
tcatgcattc aattcaaaac caaatcatac accaatttc acacaaagat aaaagtgttt 120
tattgccata tcatcaaaat caagtcaaac tggccatcat acttcagaat aagcaaacca 180
actacccata aataaaacta gcagtgtata caaacataaa agaaatactg tactgaaacc 240
gtaatcataa taataataat ccaaaaagca aaaagcatca tcaggaatca acaatgtcaa 300
gagtgataa attagggat aagtgagagc aacaacttct ccagatgacg aataagaaag 360
atcgataatt cctccaaactg ggg 383

<210> 13417
<211> 413
<212> DNA

<213> Glycine max
<223> unsure at all n locations
<400> 13417

acgatgaaga acgaacgaag aacaacgaag acggtgaata acttcatgg aattgatcac 60
aaaagcatta cggaagcgctc tcgactntga ttnttcctt cttcatctt ctccctacta 120
attttatgtg atgtctgagc tatcaaggta ctgaaccctt caaactcagc cccttcacac 180
catttataaa ggaaaggggg gaggtgggtt ccgcctaact cgcccaggcg agctgggttg 240
cttccacctg aagcaatccc cttctggaa tattctagat gggcttagat gggcccagat 300
gcttaggtaca ccccccaattt gattagtgc cccctatttt gtgttttag ctaatttcta 360
tcggaaacat catgaaactt tatggattat acggcgacaa gtgtcaagca tct 413

<210> 13418
<211> 389
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13418

agttctgaga gattnngcta tgtgaggatc tacagagaag cgagttgaa gcgaaagcca 60
ttctgatagc ttgagatgag tttgtgagtg attgtgagat cctagaggtg aaggagacat 120
cctcaccact tgtgttttg tagtcttca tcttgttctt ctcttgttg taaaggaggt 180
ttccgaacta tggaaagcta aatcctttgt tggatcttcc ctgttaggtac ctgatgtaaa 240
tatatttcta tttatgtaat gatgctttgt gtgttctctg tgctatctgc ttttcattcc 300
agtgtgcttt taccttgatc acgtagatgc atgctttgtt agggtcattc aacagtggga 360
actggctga ttttaagtcc tggatagta 389

<210> 13419
<211> 329
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13419

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caatggatgg tcatttctcc gggagcgacg cgtccagctc agggacgacg agtatactga 120

tttccaggag gagatatgcc gccggcggtg ggcataactg gttaccccca tggccaagtt 180
cgatccaaaa gtagtccttg agtttatgc caatgcttgc ccaacagagg aaggcgtgcg 240
tgacatgagg tcctgggtga ggggtcagtg gatcccattt gatgcagatg ctatcgcca 300
gctcctgaga tatccgttgg tgctggaag 329

<210> 13420
<211> 446
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13420

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caagacaac cgccacaataa taagtcaagt cactctcact aggtaatatc atagggagac 120
cagtcaggg cacagtgttt tgcgagaatg ctccaaaccat atgggatcaa cataggctta 180
aaggagcact caaacccgtgt gaccccaag gcctacactc cgaagagtcc gtcagggcct 240
ctccctcctg attcaggtcc aacccagaaa acattttagc acacagactc tatctatgaa 300
ctgtacaaaa cacacgactc ctcaattgtt ctcaaaataa ttttaacccg tcgcccctta 360
agggacttat cattaactcg tcgcccctaa agggacttag cattaactcg tcgtccttga 420
agggacttat gatcgtgtga ttgtac 446

<210> 13421
<211> 450
<212> DNA
<213> Glycine max

<400> 13421

aacgctaaag gctacataaa tggaagataa agctgcgata aaagatttgc tggaagacga 60
ggaaaaccca tatgagaata ctgtaagttt taatatatct gatatttggt attgttttagt 120
ttcttgcaag ctttaaatt gtgggtgcaa tcaaaattct tttaaaacat aaattctgaa 180
aaaaaattaa gaaaaaatat gtgaccgatg caactataat tgcgggtgac cttggctct 240
ccttgcttaa ttcgatttat tttcatata tactttatgt ttatatccat aaatttctag 300
ataaatcaaa catatagatg tgtgtatgta tgagcagatt ttctcacaat ataacataat 360

ttttagttat taaatgattt ttgctaacta attacggaca aataaaactt gcagatggga 420
tctactcttc taagcttgag cctgaataac 450

<210> 13422
<211> 276
<212> DNA
<213> Glycine max

<400> 13422
aaggagacat cctcaccact cgtggtttg tagactctca tcttggcctt ctctctgctg 60
caaaggaggt ttccgaacta tggaaagcta aatcctttgt tggatcttcc ctgtacgtac 120
ctgatgtaaa tatatttcta tttatgcaat gacgcattgc gtgttctctg tgctatctgc 180
tccccattcc agagtgcattt taccttgate acgttagatgc atgcttagtt aggggcattc 240
aaccgtggga actgtgctcg atttaaagtc ctggat 276

<210> 13423
<211> 251
<212> DNA
<213> Glycine max

<400> 13423
tatcctgccc atggatagtt atgatcgagc cttgggcaaa tggtcccaa attggaaatg 60
accgttcaaa ataattcaga tctattcgaa tggtgcttat gaatcacatg aattaacccc 120
tcagaagcgt actttgagta taaatggta atattgaaa agatatagac caacatatgc 180
tcgaagataa tatcaccctc taataggaag acattatgga aacataaaaa tggacgatac 240
acagtcattat t 251

<210> 13424
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13424
ctataaatac tcagctgccg cccatctcgcc ccaggcccaag tgggcctgtt tggttttgcc 60
cccctttta ctcaatgcac ccccccttcta ttttttgtt attcttttc cgtaacgtta 120
cgaaactttg cgaattttgtt aacgataactt atttccttc cgcaaggta cgaatccta 180

cggattatgt atttactttt ttttagcttt cgaagaagtt acgaaaactc atggattgcg 240
caaaaacacc tcttttgac ttccaccaca ttacggaatt tcacagatcg cgcaaggctg 300
cttcctttg atttctgaga cgtctcgga cttcatttat tgtgcaacaa aggacgccaa 360
gtatctcaa gcgcttaacc aaaggttgca tgtcatcaag taataatccc cgatgaaat 420
tanggtatga caggctttta 440

<210> 13425
<211> 438
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13425

tttgctctat ttgaacaaat ctttctgcca tgtcactcat tactgtctgn gatcttattt 60
ctgtgcccat gaatgaaaag attctggtct agtggccgta gacagccagc tctgaatacc 120
aactgttata ggatttaggt gggaaagaga aagaaacaga atgacagaga aagaaagagg 180
caaagagaga agaaaaggat agagaggata gaagggaga gaaacaaaga gctcaaggaa 240
atatgctctg cactatgtga ttatcatttg gtctctctaa aatacgacag acctgcctta 300
ttatagacag ctacccaata acctaacagc caagagacaa cagtagctga ctaaaaactaa 360
caaactgaca tccctttct ttttatttac atattatata caatgaaaga ttaatatcag 420
attagtcagc cttaacaa 438

<210> 13426
<211> 333
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13426

tagtcaaaat caatcattga ttaacctcca agcaaagatt gaagctntag ctaggaattt 60
tagttccat aggtcctgaa gcgcctccatc cagatttgcc tccactaaac tttcttgca 120
caagttatag gccctccttg tagagtaata tccgttaggc tcagatttcc acatccaaca 180
atctgttgc tggatgtct tgcaatctg tgatgtct tccataaaac ctacagccga 240
tgcgatttca ttatcaaaca aaggccttct ccatcaaagg ttccattccc atgctgagtc 300

attgaaacctt cccacttgct ggatgagttt atg

333

<210> 13427
<211> 396
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13427

gaagaacgtc gaagaacggg ggaaaccctt gcgaaattct tcacggaaaa cgttacggaa 60
acgtttcgga agcgccctcggtttt cttcacggaa acgatttttc caagcaaattt 120
cgaaagagag agaagtgc aaggggctga accctttct tcttcacttc ctccccattt 180
tatagcaaaa taggggaggt ggttgccgcc cagctcgccc aggcgagcca ggttgcttcc 240
tccagaagca acagccttct ggaggaatat tctggagggc ccaagtggc cttgggtgct 300
attgcaccccattttact aagtacaccc gcctctgctt ttttggtgat ttcttttcg 360
tanagttacg ganacttacg aattccgtaa cgatac 396

<210> 13428
<211> 325
<212> DNA
<213> Glycine max

<400> 13428

ccccctgtcgc ccctattctt taggcgttca caccagtggaa agaaacgttag accaactgtc 60
ctctttcaa tacaacctcg attcttccc cggcaaacac caaatccgacg aagctggacg 120
gcatgcaacc cactagcttc tcatattaca acactggcag agtagctacc atcatggtgaa 180
tcatctctat ctcaaccatg ggaggagcta cttgtgccat caaatccctt catcactgacg 240
catagtctat aaaggatcca ccctctatct taaacatatt ctgcagacga gcacggtaa 300
gagccatatc ataatagtac tgata 325

<210> 13429
<211> 376
<212> DNA
<213> Glycine max

<400> 13429

atagggaga tattaaaatt aaattaaaag aaattaatat attaatattg gacgataaat 60
actttcaatg catttttgt ttaatttattt attaattctt ttttagttgaa aataatata 120
ttttatttaa catatacatg ttttgcga tgcaaataatt aatatcggt gatgtttata 180
tgattcatga ggtgtgagaa catgttgcgt tggattata atattgtgat tgagattgag 240
tataagtgtt tggtaatac ttgatgtgat attattgtg ttgtgaattt tgaattatac 300
aataactcga ctggagtgtc cttgagata agtgtttatg cgcgaggatt acctaagata 360
aggattacct aaatta 376

<210> 13430
<211> 445
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13430

taggacaatg tccagtctat ttcaattgtt acccaaacaa tancttgagt ttaatggata 60
gaatcattcg taactctctg ttcctaaaca tccactttca tggacatgac atgaaagaag 120
gatcaatccc aacagcattt atatataaga ttcaagtacaa ggtcatgaac acttgtgcat 180
aaagagtct tctaaaacca caatgaggag agacaacttt gtttatcact gacatgacaa 240
aggccaatgt ttctctccca agagccataa aatgggatga ggttaactctt cctgaaaaat 300
aggcatgga caaggccact ccgtcagtcc ctggatccgc tccaacatag aacaaattaa 360
gcaagacaac tccggtaagg tagaaataac cttccatacg agaaatttac tttcatcaag 420
actagaagcc tcaagattcg acaac 445

<210> 13431
<211> 440
<212> DNA
<213> Glycine max

<400> 13431

ctaagctctt ctatttttt ggctggaaag ccaaagggtt ttatttttc agggAACAGC 60
ttgaagactt gggaaagaggt ttttagagaaa ttctgttca agtactttct agagtccaa 120
acaactgtt gcaaggcaac tatctcctca ttccattaat tcccaatgtt atccctgagt 180
gaagcgctt agagattccg tagttgttgc tgaaaaacac caactcatgg attctccgag 240

ccgattcaat tgaacat~~ttt~~ catagatgg~~t~~ ttgagatcgc agttcaagca gttattggat 300
gcttctgttg gaggaaaaat tatattgaag acccatgaag aagcaatgaa acttattgaa 360
atatggc~~c~~ tagtgatcat gcgaatttgc gtgataggac tc~~a~~tgta~~cc~~ acaaagagaa 420
gcctactgga gctttcttca 440

<210> 13432
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13432

tgaaggat~~tg~~ aaagaatgct tcg~~t~~caaaa gtnagnaact tcaat~~ttt~~c aactcttcta 60
gtat~~ttt~~tag gttcacaag tg~~ttt~~ttgt ctctaaacaa tcttcaa~~at~~g cgtcta~~at~~gt 120
agtata~~t~~gga gaagg~~t~~gtgt gttggagca ctaa~~at~~gcat gtc~~c~~ttcca tactaataaa 180
ctattat~~gt~~t tat~~ttt~~c~~c~~tt gac~~c~~tacact cctactat~~at~~g ttttagtgg tcaa~~at~~caac 240
ttca~~aa~~at~~gt~~t~~a~~ gaaca~~at~~gtat gct~~a~~ataaga atgacat~~gt~~c ttttac~~gt~~g aagaaactat 300
ttaaactt~~g~~a ttg~~tt~~at~~c~~tt attctatt~~c~~a ttct~~a~~gacaa gtc~~a~~taggaa gaatgtt~~aa~~ 360
acattctt~~a~~ tacaaaagat caagagat~~c~~a taatattaac ttagtcttt aataacattt 420
aatg~~ttt~~g~~t~~t ggtttc~~at~~c 440

<210> 13433
<211> 359
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13433

tgctanagaa ctgaggagaa atgacaatgc ggccgatt~~g~~a tttt~~ttt~~tata ctaacgagca 60
catctta~~ag~~c gcttact~~gc~~g cacaacggag gcctctcg~~cg~~ aatgagg~~cg~~gg ctatgc~~c~~tc 120
ttct~~gt~~at~~g~~ac gcatggacac ttatcc~~c~~ta cccgactaca attcttgc~~g~~a aagg~~t~~cg~~g~~ac 180
gaaatcagcc acgatcagag gtgat~~at~~gga ttgg~~gt~~ccca ccatctg~~ag~~c accgcacaaa 240
atgtat~~c~~ta t~~gt~~ggaagcc aaaggcataa ccagc~~gt~~agg tgg~~g~~caatgc aatcttaaca 300
tgataggt~~g~~a tcgaatc~~gt~~tt gattcat~~gt~~ta tg~~tt~~acccc~~a~~ ctgat~~gt~~gca ttg~~ct~~ac 359

<210> 13434
<211> 443
<212> DNA
<213> Glycine max

<400> 13434

tgccaaagct atcaactgatg aagatcgagg tatgtatagt tttgggatta ccaaaaaaga 60
tacaaaggat tatggtttag caatagaaga aaaaaaatac aaggaagcaa tcacagaaga 120
aggaagaaga ggaggagcta tttgcattgg agcacaggac aatgaagaga catgaacaat 180
gtaatgcgtt caccagtta aacatcagta ccacaaaaggc tgaagaacct gagtaagact 240
aatgaaaatg acgaggggtt tgtacaaaca gctttccaaa agagaaaggt tgtagcccta 300
gttgccctg ccccagaatg agctaagacc gtccaaacatg cttcagaaac tcaaagaacc 360
tatcattttt tctgtcatac ccagacacat tgaacaagg gctacaaatg ccaatgcca 420
gattggtgaa aatgaatgga tag 443

<210> 13435
<211> 310
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13435

ataatcatca ncaatcagcg ggcgtatgtt gttcaaaaat aaaatctcaa catcatctat 60
tatacaaatt tacataatata ataataacaa gctagttcat aaaccaatcg agtcaaattta 120
tacataattc aaatgaaact tatatatgca atcagtgaaa atagtaacgt aatttagttca 180
gaacattaag ctgatgaata agttcaagga gtgaatcatc ggactcaaga ccgaatgact 240
aaatgcctat atagtttagt gtaggtgtta tccgtatcaa tagaatcgta ggactatccg 300
gcagagaatc 310

<210> 13436
<211> 429
<212> DNA
<213> Glycine max

<400> 13436

tataagctga accatTTTcaataaacac atgttggTTttt ttattcagaa aatttagagtt 60
tatctctttt atcttagtga gagtgattct cctaaattct tgagtgattc aagaacaccc 120
tggctgtatc aaaggacttt cacaaccttt gtgtgttgc ctgcgtggaa agagtgattc 180
tttccttcca atcatctcca cccttggTct ttcaaaccac aattccagaa aatccaccc 240
tgccccaaat tatctcgta ccataactcc catTTTACAC actcacatta agtgatttt 300
gagcctaaat tgaatttcaa aacgagacct ttcacCTCGT ttggaaatca cctcatttgg 360
agccctgttag cttccgttat tgccatttct atatttctgt ccagccacca cttaacctat 420
cgTTTACCA 429

<210>	13437
<211>	445
<212>	DNA
<213>	Glycine max

<223> unsure at all n locations
<400> 13437

ntgacttgag tcatacaagag attataaaata tgtgaccatg tgtctgtgtn taaaataatca 60
tcatacatca tctttgaatc atcttatctt caatctttt caacatcatc tctcaaacat 120
ctttcaatca atctttcaat atctttctac ataattttct gattcatttc tcttcattatt 180
tctaaaagtt ttttatcaac actttctctt ccaagaaaaag ttctttgttc aaaaacttat 240
gctattcatc ttttcgttc tcttctccct ttgccaaaag aacgaaggac taattgcctt 300
aattctttg tgtctctctt ctcccttaca aaagattcaa aggactaacc gcctgagaat 360
tctttcgatt ctctcttcc ccttaagcaa aatatttcaa aggactaacc gcctgagaat 420
tctttngatt ctctcttcc cctta 445

<210>	13438
<211>	302
<212>	DNA
<213>	Glycine max

<400> 13438

acgacaataa ctttggactc ggatgtgtga ttgtttcccg taatatatcc gaacgctcga 60
agttgaatgt tgaagctctg agcatatgca aacgacaata accttttac tcagatgtcg 120
gatggagtcc cgaattatat ggagacgctc gaaatgtaat cccgaagcat ggatcaaatt 180

caaacgacaa taactttga gtcggatgtc cgattgagtc ccgcaatata tcggaacgct 240
cgaaatggaa tgtagaagcg ctgagcaatt ctaaacgacc ataacctgtt actcggatgt 300
cg 302

<210> 13439
<211> 391
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13439

agatcaactt gatgttctat gcttcttgaa agtgtcagtc catgaggaat ctccttggga 60
aagacatctt taaattcctg caataagggt tgaacactag gagaaacata aatagttaac 120
tgattagaat tatcaactctc tctctttgt gtatcaactt tttcctcagg tgtatcaactc 180
ttcttttcg tattccattt tggtgcctca ctatttctt tctcttggc aatttcgagc 240
gtctcgatat attatccgcc tgaatctgac gtccgtgtga aaagttatga ccatttgaat 300
ttcttagagag ctttcggtgt tcaatttcga gcgtctcgat atattatgct cttgaatcgg 360
acctncgagt gaaaatctat gaccatttga a 391

<210> 13440
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13440

cattgataat agaagctatg agcaaattca aacgacattt acttttact ccgatgtccg 60
attgtgtgcc gtagtatatc gagactcccg taattgaaaa cagaagctcg tagcaaattc 120
aaacgacaat aatattctac tcagatgtcc gattatgtcc cgtatatat ccatacgctc 180
gtaattgaaa acagaagctc gtagaaaatt caaacgacaa caacttcaa ctcagatgtc 240
cgattgagtg ctctaataata tcgagacgct tgaaattgaa agcagaagct ctttagcatat 300
tctaaggact ataacttata tctcggatgt ccgattgggt accataatat atcgagatgc 360
tcgaaattga caatgaaagc tcgtagcaaa tactaacgac cataacatn tactcggatg 420
tccgattgtg acccgtaata ta 442

<210> 13441
<211> 445
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13441

ntgcggattt ggtcttcgcc agtcaaaggaa tcgaagtgg tctgataaga ggcaaattta 60
atcatcctgc ttggacgaat gagaaaactg gggcaaataa agagggtag gatgagggag 120
aaaccatgt tgtgactgcc atccctgtac ggccaagttt cccaccaacc caacaatgtc 180
attactcagc caataacaaa cctcctcctt acccaccacc cagttatcca caaaggccat 240
ccctaaatca accacaaagc ctgtctaccg cacttcaat gacgaagacc accttagca 300
caaaccaaaa aacaccaacc aagaaatgaa ttttgagcg agaaagcctg tagaattcac 360
cccaattcca gtgtcctatg ctgacttgct cccatatcta cttgataatt caatggtagc 420
cataacccta gccaaaggatc atcaa 445

<210> 13442
<211> 297
<212> DNA
<213> Glycine max

<400> 13442

ggcgacgcaa tccggAACGG tccacaaggaa atacccgggt cccccacttt atttgagaaa 60
actggaaacc aaaaatgcga ctacaacttt agtggaaagt gggagtgttt tacccgagaa 120
gattacaccc ccactcgtcc gggacgagct tatcaatgtg caactgattg atttatgtcc 180
ttttatgttt atcctttata cccttatat ttttttggg cgacagggtt cttgtctat 240
attctattgg agagaatcaa ctactgtctt ttataggatt ttttacttaa ggacttt 297

<210> 13443
<211> 348
<212> DNA
<213> Glycine max

<400> 13443

tccggagttt gatagtcacc gctttatgag cgctgtacac cagcagcgct tctaggccat 60

caaggatgg tcgttctcc gggagcgacg cgtccagctt atggatgacg agtatacaga 120
tttcaggag gaaatatggc gccgacggtg gacatcactg gttactccca tggccaagtt 180
cgatcaagaa ataatccttg agtttatgc caatgcttgg ccaacagagg agggcgtgcg 240
tgacatgaga tcctggtaa ggggtcagtg gatcccgtt gatgccgacg ctatcgcca 300
gctcctgaga tatccgttgg tggtggaaaga gggccaggaa tgtgagta 348

<210> 13444
<211> 408
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13444

attagata tgaagatgaa tccatggct tctttggac tcctctaaga acaataacat 60
cattgcttac actgaattgt tggagttgg aagccatctt ctcaatcaa ttccctagtt 120
cagcaggggt catatcacca agagctccac cactggcagc atcaatcata ctccctctcca 180
tgttgctaag accctcatag aaatattgaa gaaggagttg ctcanaaatc tggtggtgag 240
gacagcatgc acacaatttc ttgaatctt cccagtaactc atacaggctt tctccactaa 300
gttgattgat acctgaaaatg tctttctga tggcagtggt cctagatgca aggaagaatt 360
tctccaagaa caccctctta aggtcatccc agctgaaaat ggacctgg 408

<210> 13445
<211> 439
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13445

taactnttct ttntctttgg cttgtacctc actgtttca ttgatctaaa cacctataa 60
aaaagatgag ttctcctac ttcttcttt ataccaacac atgtaacatt agagagagaa 120
atagatagga taataagaag tatacataca ataatcaata agtaatatga tttaataaaa 180
agatggagag acagagagaa atatatact agtcaatatg gtcctaaag tgtattgatg 240
tttcaagtta atcgctaaat gttaataaac taatttgttt tttgaaaag tagtgccata 300
tttcacattc gtgtttcatc ttagatagat agatcatgta atcattaaaa agtaattaag 360

ttcttgcgcatataaaga ctaaattgta tnttaatgag aataaaatatg gacatatctg 420
acacaaacta tgaatgtga 439

<210> 13446
<211> 381
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13446

actcaacctt ctggaggaag cctcttaatg aagttctag agatttctat gngtatacg 60
tcctcgtaa aaatgctatg cagcctttgt taaccgttgg atcttcgcga aatttgttct 120
gcaattcaa aagacaattt tccatgatct gaccgttcgg atcttgaga agatgtctgt 180
agtgtgctag aagcctctta atgaagcttc tagaggaagc ctcttaatga agcttctaga 240
ggaaggcctct taatgaagct tctagagaaa actacatgaa gctgcctcgg taaaaatgct 300
gcccagccta cgtaaccgt tgaatcttn tgaatattgg tttgcaactt cacaagacac 360
tttccatga tctgaccgtg c 381

<210> 13447
<211> 370
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13447

aggagatatc cccttgacag ccatntcaaa atataaatca taggcctccg gaacaagtnt 60
atcttgcaa aggctattaa tgattgtgtt gttgtaagtt acaccgctct tacatctctc 120
tcaacaacctt caaggcagct cttgtttctc caactttgca taacacattt atcaaatcan 180
agtcctgtaa ctaacttgat ccagttgaaa tccttcgggtt gccacattgt catgaaagtgt 240
tagtgcttcc ttgacctcaa cagtgagaca taaaccattc atgagtggtt gaaagatatg 300
atgtctgcga taacccatct tgagaaaggg caatgttatt tgaggaggat gatcatagta 360
acattgctat 370

<210> 13448
<211> 356
<212> DNA

<213> Glycine max

<400> 13448

gatgaccaag agtcatgag agtcaaagaa catccatctc aagagaatct agaacaagtc 60
aaagagttca agaatcaaga agaattcaag actcaagaag aaagcctaca aacaagaatc 120
aagattcag atctcaagaa tcaagatcaa gattcaagac tcaagattca agaatgaaga 180
aaagactcaa tcaagataag tattaaaaag ttttcaaaa ctttgaatag cacatgagtt 240
tttgacaaaa ccttaccaa agagttta ctctctggta atcgattacc atattgttgt 300
aatcgattac cagtagcaa atgagttga aaatgtttc aaactgaatt tacaac 356

<210> 13449

<211> 403

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13449

agcaaaatcc tgactcccta taccttgacc agggtttaa tgtctatcct tactctcgga 60
agcgagaaga atagaacgga tatntccat caaagataag gaaagaacga agatttccaa 120
tcaaagagaa agcacaatacg ataagaacga caattccccca atcaaagagt gggagaaagc 180
aaaaagaaaa gaatgaaaat tcccaatcta agaatggag acagtaaaaa aggaagaata 240
tcatggaaag atagctcctg atcagggatc gaacgaaaac atatgatatg tgcagatagg 300
tcttggacc ggacaatatc tgaacaatac agaatttca ccaaatgaac aaaaagaaga 360
aaggaaacca cgacctataa tggtcttatac ccttgatta cca 403

<210> 13450

<211> 458

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13450

aactaagcta ttcaacttt aaatactacc attacataga caatgattcc tcattttgtt 60
gacactnttt aacatggaac ttgaaaaagt gggctaaag ctcaacgaga ctctattatt 120
ctatgggcc aggatttt ttcaatgagt cacaaactat ataccataa cttattagaa 180

tcttctgaag gaatgttgag tttgtcaata agaagacgt agcatccaag gttcttaggag 240
tcaaaggtgt attgtccaac aataactcgcc aaggcaatag ggtgccttcg tgaaggcaat 300
acctaccaag agagatggga gaagaactat gactcccattg taacaagggc actctataagg 360
gaaaatgctg agaatatatg tgatcaaaaag actatactaa acggcattat gtgcgagaag 420
gctaagaatt gggccaacac tctgaataag agtgttct 458

<210> 13451
<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13451

agcttnctt cataccact tcatcaaattg tcatgttaca acccctcacc gnccattaaa 60
cactgttgct caatctccac cgaaagggtgg catgccttac caaaaaccac cctataaggga 120
gaaatccccca aaggtgtccg gtaagcggtc ctatggcct atagagcatc cttaaatgtac 180
ttgctccaat cctttntgtt gggctgcact agttctgca acacttggtt tatctctcta 240
ttaaaaaacct ccgcttgcattt ggatgataag ctgcaacaat tgtatgaaca 300
acccctact ttggagcaa ggatgccaat gacttggttt agaagtggct cccttggtca 360
ctgataatgg ctctaggctg actacaacct gcaaaaaagtt agatctcaca taatccacaa 420
caac 424

<210> 13452
<211> 197
<212> DNA
<213> Glycine max

<400> 13452

agcttaaata tgtgggtagg attgtgctca cacgcttaac acaaataataa atctattatgt 60
gchgataagt gaatattggc ttagcgct aatatcattt aacagatgaa ctgaaacgg 120
gcacttgatg aactccagag gtgcgtctg acagataatc ttcttctgga tattttcttg 180
cgcttagcca ctgagtg 197

<210> 13453
<211> 268

<212> DNA
<213> Glycine max

<400> 13453

atattatgcg ctcgaatcga acatccgtgt gaaaagtgtat gaccatttga gtttctcgag 60
agcttccgtg gttcaattcc gagcgtctat acatattatg tgcccgaatc tgaccttcgt 120
gtgaaaagat atgaccattt gaatttctcg agagcttccg acgttagatt tctagcgtcg 180
cgatataattt aattcctgaa tcggagctcc gtgtgaaaag ctttgaccat atgattttct 240
cgaaagctat cgtggtaat ttcgagcg 268

<210> 13454
<211> 465
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13454

acacatagaa actcaagctt cttagaatac ttcttaagaa gcttctcagt gttgtgagtt 60
tanttatgaa aggggtgtgt gtagctaagc tctagcttct caaggaagtt ttctcaaaga 120
agcttctcaa ggaagtttc tcaagatagc ttctcaagga agctacctag tctataaata 180
gaagcatctg taacacgtgt tgtaactttt atgaatgaga gtcttgtag acacaactca 240
nagttaact tctcttcctt tttcttcctt caatttcgtg ctccccctc tctctttctc 300
tcccttttc ttttcctcca ttgaagcatc ctctccaagc ttcttatcca aggctcatct 360
tggtgtgaa gctccttcctt ccatggctta ttcccttagtg gatggcgcca cctcttacct 420
ctcctccctt atcttccgct gcatctccat ggtggaaaat cacca 465

<210> 13455
<211> 465
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13455

tagaaactca agcttcttcn ttgttgcta agagacggac ccaagatgtc ttcctttct 60
ctgngcatga acggaggctg tctagcgggc aagcatgcct cacctctcgg cgaacaacgt 120
gtgaaaccaa ccatacataa agagccggag tacaacaaac aatcctcgta ctgctttct 180

cacatcttcg gtcgagagtgc tcatatatgt cagcttagcat agcgacaacc gagcttcct 240
tgtggtcatg ataagcaaga aaagcgacga tcgctgctgc gtccaccaac ccatccacat 300
gtggaaagag gactcctccg aagctcaaca gtgcgagaat gtctatgaac ggtgccatt 360
cgccctctacc tgccaagata cttgcctatg cctataagca ttttctcagt attccaacca 420
ccccatctt gacttgctct ctgtggtcta attcctgcgc cgaga 465

<210> 13456
<211> 356
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13456

tacaaactca agttgcctc nagaggtcca ggaaggacaa ggctgcttga atgaactatt 60
tccgctccgg agtacgacag tcaccgcttt atgagcgctg tacaccagca gcgcctctaa 120
gccatcaagg gatggtcgtt tctccggag cgacgcgtcc agctcatgga cgacgagtat 180
actgatttc aggaggaaat atggcgccgg cggtggcac cactggttac tcctatggcc 240
aagtttgtcc agaaatagtc cttgaattta tgccaatctt ggtcacatat gtggcgtgcg 300
tgaatgagat ctggttactg tcatggatcc gttcatgccc cgctatcacc acttct 356

<210> 13457
<211> 444
<212> DNA
<213> Glycine max

<400> 13457

tgtatgagta ctgagaaagg ttcatatatat tgtgtgcaag ctgttctcac caccagattt 60
ctgagcaact cttcttcaa tatttctatg agggacttag aaacatggaa aggagtatga 120
ttgatgctgc cagtggtgga gctctggtg atatgacccc tgctgaggct aggaatttga 180
ttgagaagat ggcttccaac tcccaacaat tcaagtacaag aaatgatgct attgttctta 240
gaggagtcca tgaggtggcc acagattcat cttcattac tgaaaatgaa aagcttgaag 300
gaaaacttga tgccttggtc aacctagtaa ctcagcttgc catgaatcag aaatctacac 360
ctgttgcaag agtctgtggt ctatgttctt ttgcataatca ccgtacagat ctatgtccctt 420

ctttgcagta atctagagtc aatg

444

<210> 13458
<211> 369
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13458

aagctcacta caaggcttan atgaaaaana ccatgatatac accatatcct taaggaattt 60
tggagctttg gaattgtttt gggaaataagt gtggcggtt tttgtttcat tggataactt 120
gttttggcc atacttgatg tacattgtat attggtaaa tggtggacat gctgaatgaa 180
atgttggttc tcaaaggcta taaataaaaa aaattcgaaa aaagaaaaag aaaaacaata 240
aagttgagtg aataagatct taaatggcac aagaatgatg aaactcttgg ttctactctt 300
tatgtttaaa tnntatcttt acttctttt atttcttat ttttcttaa tatgcactta 360
ttccccatt 369

<210> 13459
<211> 369
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13459

aatatatact cccagtataa acatgctta aaaatatttg ttttagtatg ataatatact 60
ttaaatttgt ttgttttaa ttaaatttaa atttgtttt tgttgtttt agtatgaata 120
tccttagaaa catatacccg cataccaaca tatatatata tatataatata aataatataa 180
gaatntataa attgtaaatt taaaatcgat gtaaaacatg tgttattata ttaataaata 240
aatatcaacg gcttgcatta tgattgtta tgtgatcccc gcattgctcg ctatattgtt 300
ttccgttgc tcttctttt tctcaacgat tgtctttat ttttctccga gttttcctct 360
tatgctaca 369

<210> 13460
<211> 437
<212> DNA
<213> Glycine max

<400> 13460
acactactct tgatttctag gttgaaatct ctggtgctgt cagcttgaac atacgagctt 60
gtataaatta ctgggaattt gtcactacgt gtgtttagt gaattttttt actggatttt 120
ctagacatct ggaacaaaaaa tatgaaaaaa gaaccaagca attcggatta aaggaaaaaa 180
taagaaaaat cacacaaatt ggcagaaaaa tcagtgtcca agaaaaaaaaa agtcaaagg 240
aagtgtgctt gttgttttag ctgaaaattt gttctataat tggcgccat tttataccaa 300
tcctagttct gaaatttcaa ttgaaaatta ttatgaaaac aagtgc当地 actagaggtt 360
tcttgagtct ttatTTTT tatgagttt ctactctact ctagagccat tcttagttc 420
actttgagtc cttagtt 437

<210> 13461
<211> 364
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13461
cctgactcac catagacatt gaccgggt gttaatgtct antcttaccc tcggaaagcga 60
gaagaataga atggaaattt ccaatctaag aagagaaaaag atggaaaattt ccccaatcaa 120
agagtggag aaagcaaaaaa gaacagatag acaattccca atcaaagaat gggagaaagt 180
aaaaaggaag aataataatg aaagatagct cctgatcatg gatcgaatga gaacagataa 240
aatgtgcata aatgtctttg gaccggacaa tatctgaaca atacagaatt gtcaccaaatt 300
gaacaataag agagaaagga taccacgacc tataatggtc ttctccctt gattaccaac 360
caaa 364

<210> 13462
<211> 372
<212> DNA
<213> Glycine max
<400> 13462
cttattaact gtcttggctt ttggccactc tacattgtct ttcgaaccta ctgtacgtt 60
atgtgaccaa tgggttatg ggaatgtgc gacaatcatt cagaaccttg ttgatacatt 120
ctgagaggtt gttgtcatg tggccatatc gacgtccttc tctatcataa gtcatcgcc 180

attttcctt tgaaatgcga tcaatccatg ttgctatggc tggactcaat tcacaaaagt 240
tttctatatt gtgatcaaaa atgtgctgc taggagtgt aatttgtataa aatttagttat 300
gaataacatg gatgagtata tacgaaaggt gaatgaacgg gaccatcaa tatgaaatct 360
tacccagttt ct 372

<210> 13463
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13463

tctacttatg tggcagggcg ggcttccttc accttcttgt cttcaacgcg aactttgacc 60
attggctttc cttcccgca tgcttcttt catgtccgcc tgagtggct tatagcctaa 120
accatatgtc ccacgatttc cttgggtatt tatcaagcta gttatgccgc cattctttt 180
tcctaaaccc atcccggtt cataaccgtt ccccaacata actcgggcc tcattaccgc 240
tgcatcgac agacaaggct gcccaaagag ggagtccacg gagaaatgc tgaccacctc 300
aaaagactgg atagcagttt ctaacgattc ttctgcggct tccacataag gcatggagga 360
tggcaactt accaagatat cttcctcgcc tgacacgatg accaagtgcc cctncactac 420
gaatttcagc tnttggtgga gt 442

<210> 13464
<211> 446
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13464

aacaagtgtc ttcacagata gtcacacac ttagaaact atcaaatcta cccatcatat 60
gtcccaaggc cccataccca caaaaatcaa aggagaaaga agtccaccca aacctgaatt 120
ttcgaagtcc cactcgtgc cacgcacttc acgaccccgaa aatgccctc cttcgcgat 180
ttggggcaga aatgatggcc aaagggtgaa gctatgcttg gagcttaat ggagaatgaa 240
gaagaagaaa atggcaacgt gagggagaga gagagctgtc ttgaaagtgt ggtggctgag 300
tgaagagaga gaaaagcttt ttgggttaa ataagaaggg gtttctttt gtctattatt 360

gtattcaagc tctgccacat gtcccttatta gagtgagcc taaagagcnc actttccctt 420
tttactgtga cccacactca gccaca 446

<210> 13465
<211> 330
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13465

aacaatgcac taggagtgtta attagagctg tgttattaca tgtatngtgc caaatatgtg 60
gaactttga gcactactac aagcaacctc tgcatcaaca cacttttaa aaaccactct 120
tgctcggtcg ctactgtat caacttctgt ctctgcttcc ttttagaggc caaaacgcct 180
aaacattta ttaaggtttgg tttctgaggg aacagaaccc aactcagcaa agttcataac 240
aatgtcagca gggcattct catctatata accaggaggg tntgcacgag cctcaatgtg 300
atgggttgta gaatactgtt tcctgaaata 330

<210> 13466
<211> 444
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13466

ttggctacaa cctnnagctg cccctgtggc aacttcaaaa attcaaagaa ctcggagatc 60
ttcacagtta taacaatgga gtaccaagat ataagtatca gagtattaaa tacaataagc 120
caaactcata atcaagaaat aatcaaacca gaattcaaata aacataaaat gtcaacaacc 180
acaaaatatac caagactgaa attaaaaaac acaagataaa taagcaaagt acttagcata 240
ataatgtaaa ttctaagaaa ctaaaagcca aaatacacgg cttataaaag ataaatattc 300
agaatctaaa atctaagaag acggaggagg tggtggaga tcgaaactct gacgaatgt 360
tccgacatcc tcttcaagct gtgttaagacg aatgtccata ccggcaaagc gtgaatctaa 420
cgagtcaaag cggtcaccaa cata 444

<210> 13467
<211> 425

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13467

cttatattgc tggccgattt ttgtgttgtt aaaaacttgc tttatctccg cattctttta 60
tggagtgta ctgtatTTT tttccctttt ttctcttacc attatcttct ggttagttct 120
tgaataatt ctaaggaaca aacatttgtt tgtatTTGAG tgagtgtttn taaaagaatt 180
gatgtgatct aggtttgaat attttcattc tgaaagtatg tcattagtaa agctctataa 240
aaaaaattat tcaacacaat taaatttgcT tccactcaaa atcaattcct ttacatgaaa 300
ttaaacatgt aaatatttat ataaaattat gtttgcggta ttgcgtgtg atttgtgaat 360
ccaaacacgc tatttgagta tttaaagttg agacttgaga cttgttagtt taatcgctca 420

tgatg 425

<210> 13468
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13468

tgcttgatgg cacgtgatcc atggaaagga taatttcttg ttgatgttgt ttctttattg 60
gtaaagatag agcctatgtt acagagatac taaacggctg tggactacat gctgatattg 120
ggataacctgt tcttatacgag cgtggctcg taaaattga aaagaacaac aaacttggaa 180
tgcattctt acttcaacaa atggaaagag agataattcg tggaagttca ataaaggaac 240
ttggaaagcg aagtgcattt tggtttcatg aggatgtact tgatgtattt attgtcggtt 300
ttgttagagga aattttaaaa aacagaggag agaagagaga caatacgtat gtggagggaa 360
tagaatttattt ttattctaatt tcaaatttgcT ctcagtagcg atacaataaa tagcanaaga 420
taaactaattt agataac 437

<210> 13469
<211> 445
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 13469

gtaatacaac attcaacagt acagattatc acagcttca aaacatggca aaggcagaga 60
actctgccca taacaccaac cataatcaca acttttctca cttatagacc ccagtaacaa 120
ttccttcgtt ccaattcggtt aaccgttggga ttaactcaaa attnttactg gaagtctcta 180
gtacttaagc ctacattgtg accgttggga tctactagcc aacatccaga actcattctg 240
tactactctn tccacagccc accacacaca agcattttc tgcacaaagc caaaattctg 300
ctgcacctat ttgacagcaa aattctgcat aagtgcagat ttgcggaaaatc acactttctc 360
tcatncaatc ttacccaaat caaatcctac aagtcccaaa tcatgttatca atcatgtctca 420
aaccanagtc aagctntaaa gcaca 445

<210> 13470

<211> 374

<212> DNA

<213> Glycine max

<400> 13470

atggcgccctt ctctaaccctt gtctccttaa tcttctgctg caactccatg gttgaaaatc 60
accattgaat gacctcattg aagctcaaataatccaaacccatc catagaagct tctcaagcaa 120
gtttccatca agtggtaatt agagcacaag agcttcaagt aggtgctctg tacacccca 180
ttaaccccca ttggtgtttc ttcattttc tccatgtatt tactcacata tcttgtgctg 240
aatgttgttta acatgatttt ttagaatttc caccaattaa acttgctata gaagctagat 300
ttgatcttct atggatcaaa tatcttgaac catgaattgg gttgagtaaa gttcccttga 360
attttgcctt ctat 374

<210> 13471

<211> 438

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13471

tcaatcattt gcaaataatgc atgtgttatta cgactcatca nctttgaatc aagccaaggc 60
tatttgcaa gcgatcaatg gggcaaaaca caccaaatga ttatgtatgtatggatggctca 120
cattctcaca aaggtgaact catcactttc aaattaagct ttcaaaaacta tcatgacatg 180

tagaggagaa tcaaggatgt caagtcacaa aatgtcaaaa acttttattt tcaaaacaat 240
tacccatttc ttgaacatat cctataattc aaagaagaac atgcaaagtc gtacatgcac 300
acaaaaattga cccaaaatgt taaactaaca atccgacgaa actaacaaca ttaacaaatt 360
aacaaaacca tgataactag cataacccaa gaacactccc cccctactta aacaacacat 420
tgtcctcaat gtagcaca 438

<210> 13472
<211> 452
<212> DNA
<213> Glycine max

<400> 13472
actcagttg aggattatgg gaccatcac atgtggttct atgtgggtgt cgggcgtatgg 60
tgcacaacaa gtttccaca tccacaatgc gcgcataaac ccaccatccc ctgttgccca 120
cctccatctg agtcacgta ctcccacgta gcccatatcc tcgttctct caacaccggg 180
tccccatcaa tcctctcaag cttccacaac atccaagcaa aacaacattc aaacagcaca 240
agctatcaca gccaaacaaa acagggcaaa ggcagaaaaac tctgcaaaaa caccaaccaa 300
atcacagctt ttctcactta aagaccccag taacaattct ttcgatccaa ttcgatccaa 360
gttggatcga ctccaaaatt ctactggagg tctatagtac attatcctac attgtgaccg 420
ttggatcta ctagcaaaca tccagaacgc at 452

<210> 13473
<211> 433
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13473
tgtagatcaa atgtccaatg tcaaggataa atttccaaat ctttgcata ttgtaaaggatt 60
ttgataaatt cgaacctaaa gtctaacccaa atagataagt ttaaggtttt ttttttcac 120
cataattttg gtatgaaata tccatcaaga tttattgata actaattttt attagaaaat 180
ctaactaatt accttaatt ggatctcctt ttttaacaat atttttcca tctaaaaaaaa 240
attataattt gtgaccttat ttatggagac tgattccagt tatacttgaa cacgactaga 300

gctatagggt tgacctaata gtcaaaagag aagagaagga atatgaggtt atatagttga 360
attttccctg ctaataaaaa ctaacacatg ataacanata tttgtctaat aaaaaaaaaact 420
tttagtatgt tta 433

<210> 13474
<211> 509
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13474

cttatccaag aaacactctg attgggtgggt gagagctttt ttccttccat gnnngcttat 60
tctttaagtg ggaatgacac nnctcgctct cacnctctnt nnctccctta aatcttccgc 120
nntgcaactc catgnnngct gaaaatcanc cattaaaggg gaccttanng tgaagctcan 180
nagaatccaa cctccattta gaagcttctc gaagccaagc cttccattca anngtggtat 240
gagaagccac aagagnnctt caagtagggt ggttccctta aaacaccnnn cattaatttt 300
catgttttac cccttctcct ccattattgg ttcttcatt tttttccat gtatctcctt 360
acatgtcttg tcatgaatgt tgttaacatg attnttttag aatttccacc gattatactt 420
gctatagaag ctaaatttga ttntctatgg ttcaaatttc ttgttcttgt tcttgaacca 480
tgaatcgtgt tgagtttaag ttcccttga 509

<210> 13475
<211> 448
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13475

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tcatgcaacg actatgatga ggacaaaaat gtgaagcttg ctgccacggatgtttcgac 120
tatgctcttg tgtggtgaa caagctacaa aaggagagag caagatatga agagccatg 180
gttgatacgt ggacagagat gaaaaagatc atgaggaagc ggtatgtgcc ggctagttac 240
tcaaggact tgaaattcaa gctccataaa ctaacaccag gcaacaaggg gtttgaggag 300
tattcaagga aatggatgtg ctcattgatttca aagcaaagat tgtagaagat gacgaggaa 360

ctatggctcg atttcttaat ggtttgacta atgatattcg tgatattgtc gagctgcaag 420
agtttgttga atggatgatt tgctcaca 448

<210> 13476
<211> 274
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13476

gcgagctata antactcaag cttagagca caacattnta ttgtctaacf gaagagatct 60
cttagcgtg aaggcgacgc gtatcgaaaa gttgttcttg cgactgacac acacacgatg 120
acatatttggaa ctgaacatgt acttcatcat cattatcttg tggctgggtt ggtagggtt 180
atgttgcga ggatactact aatagactaa atgtgctata caatggagaa cagcacatgg 240
agacactggg acaccacagt aggtgtaaaa ttga 274

<210> 13477
<211> 443
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13477

tacacaaaat tggtagccat tattgttcat acatattcag tagtgtgatc tattatattat 60
tttttctcta tatctatcct tgcattgttc acctaagaaa ggtgatagag atacatgtca 120
atcaaatcat taagagaatt tctatttggt gaacgtgtgg aagtattaca aaaataatga 180
gcatgagctc ttagctatag aggtatcccc tcgtctaaga ctatgaatgg taacgagaca 240
gacatgagta attaaaaata aaacataaaa agaattaaaa aaattatattt ttgagctcca 300
gagacatata gacattgcan atatcaatat gaatgtataa acttaaagag ttgtaaaaga 360
taatcactct gacaatttat tagttattct atcaatctt taaacaacat attttattca 420
aatcatatgt atggaaaagt aaa 443

<210> 13478
<211> 457
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13478

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cagcaaaaag cctgttaggat tcagccaaa ttccggggtc atatgctaac ttgctccat 120
atctaattga taatgcaatg gtagccataa cccctgccag ggttcctcaa cctccatttt 180
tccgaggata cgactcaa acAACATGTG catatcatgg aggAGATCCG ggacattcca 240
ttgagcactg tatgaccttg aagcgtaagg tgAAAAGTCT aattgatgtg ggctggctga 300
aatttgagga gaatcacttg tgaatcctaa cattgacaag cggcaccaca catggggcaa 360
tttgaagggtt gttgtttat gtctctaattg actcattang attttcaagt ttatgcaatt 420
attgagaacc acaattacaa tgctaaataa tatggat 457

<210> 13479
<211> 366
<212> DNA
<213> Glycine max

<400> 13479

aagactcaaa gggcaggaac actggatgt aacatagatg atgatctcaa aaatcaagat 60
tcaagggttca accttcgag aatcaagatc atgattcaag actcatgatt caataatcaa 120
gagaagactt aatcaagatc cgtctgaaaa agttcttca taaaagaatt tgccaaggac 180
taatgcctg aattcttttgcgtctcttcttccacaagaac aacggactaa 240
cagcctgaat tcttttgtgt ctcccttctc cttgtcaaa gaattataat gacacagtct 300
gagaattctt ttgattcttc ctttccata tcgaagattc caagactacc tgctgagaat 360
ctttgt 366

<210> 13480
<211> 472
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13480

actaagcttg tttgaactca tcataatgct tgctcatata tgTTTGTttt aagcaaagta 60
tcatgatgaa tcaagaacga ttcanagatg tttgatgtat aacaaaggta atgacaaana 120

gctcanaggt caatcanaga atgagttcaa gatgttcaag atagaatcaa gaacacttca 180
agattcaagg atcaagcttt caagaatcaa gatcaagaga agacttaatc aagattcaag 240
atccaagaat caagagaaaa cttaatcaag ataagtatga aaaggaaaa tcaaaaactg 300
agtagtacat ggattttct caaaacatgt ttaccaaaga gttttactc tctgataatc 360
gattaccaga ttgttgtaat cgattaccag tagcaaaatg aatttggaaaa agtttcata 420
tcaaattaca acgttccat tgattcana aaagttgtaa tcgattacaa tg 472

<210> 13481
<211> 451
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13481

actaagctag gtaatgagct ctttcttcac cttagacttg atcatcttca ttctttnttc 60
cagtttctct aataatttga aactgtcatt ttgtttact catgaaggaa aactntgaaa 120
aaactcaata ttcttcattc tctntcaaga ttcgcgagt tcatcaagag ataggggggt 180
ctctcaaact cttgaaccat gtgcttgcta ttgaacttcc atgaacatgt ttttgctttg 240
acattttcga gcttgggttc atgtcctgaa actgtgtgct gagctatTTT acttgagttt 300
ttggtgccaa aaatgagttc tttgcatgtt aaaacgtata tttagccctt aatttcattt 360
aaattgaagt ttccaagcaa aatttacaaa caaaacangt ttaaggacct ttagtaaaat 420
aaaaaaagttg tcacgaattt ggactgagtt a 451

<210> 13482
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13482

tgggctcttg ctttactcac cgcctttgtg gtttcatttc tatcttatctt atacttatcc 60
caggtgtgag attgtctaca cctagaccac tccttggaaac actccctttt tactctaact 120
ttgctctgaa cattttcatt acaccagcac gagtctctac ccctacgtcc ataacctgta 180
gattctccca acgtctctgt acccacttta atagtctctc gggacatctt gttgcacata 240

tcattaacac ttacttgtga gtgtacacac caacccttcc atatctttg atgaaagatg 300
acatgnttct gacccttcaa gtgccagcat gcgatccttg gcgctgccag atgacttcgt 360
ctctttcccc tatctcta at gcttacatac gaaaccaaaa ctctatgttg ggtagt 416

<210> 13483
<211> 452
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13483

ngaagagagg attcacaact tgccagaatt ctaactctgt ttcttgcatc tgattctgc 60
ccttgacaat gaactcagtc actagatttgc ctaggaagtt aaacacctct actgcacaac 120
caccacacag cgatagtggc gtcctacgt agaaactggc ttcagaaaaa taaccaatca 180
atcctcttca ttnttagtatt ttctggataa taaccagtga taactaagaa gtacaaatgc 240
agggaaatgt gcaactaatt tatataatta tggatctaa gaacgcaggt gtgaacccttc 300
accatttcaa ataaccagaa acattgaaat tatttttagat tgcacatcaa caagtaataa 360
ccgtacttca tatctttcta ggactagtca tgcatatata acatttagtt cacatgtgag 420
aaaataaaata gaactacgta ttcacaattt ca 452

<210> 13484
<211> 352
<212> DNA
<213> Glycine max

<400> 13484

ctaagcttga atcggacacc cgtgtaaaaa gtgtatgacaa tttgaatctt actagaactt 60
ccgttgatca tttcgagtg tcactatgtg tggatgcgccaa aaagaggaca ttcaagctat 120
atattatgac catttgaagc tcaaaagagc tatcgtagat caattctgag cgcgtagtaa 180
tgggattatg cctgaatctg acgttgatata gaaatgctat gaccatgtga agccgttaacc 240
accttggaga gcacagtata gggcctaact agcatatatg cgcccaaattc ggacattcgc 300
ctgtggaaaa tgacgctaag aatgtattga aagctttcaa tgtggattt ct 352

<210> 13485
<211> 446

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13485

tcaagaaaaa gatggcctca gcaaattcct tatttccaaa atgtaattct atcttagacc 60
tccaatcttt aatggagagg gttaccacta ctggaaaacc cgaatgc当地 ttttattga 120
ggcaatagat ctaaatatattt ggaaagccat agaaataggg ccttatatac ccaccacagt 180
ggaaagagtt tcaatagatg gtagttcatc aagtgaaagc ataactatag aaaaacctaa 240
agatagatgg tctgaagagg atagaaaacg agtacaatac aacttataag ccaaaaatat 300
aataacatct gccctgngaa tggatgaata tttcanggtt tcaaattgtt agagtgctaa 360
ggaaatgtgg gacactcttc gattaacaca tgaaggaact acggatgtt aaagatctan 420
gataaatgca ctaactcatg agtattg 446

<210> 13486
<211> 181
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13486

ttagtcaaac aaaataatcc gaatatgtca aatatttgag tggatgaaa gcataacaag 60
acttttgttg attggtttaa agatacaatc ttgcagatg agaatgcttc agaaacattt 120
agaaatctag cagatgggcc taaaagaaaat gttataacct ggcaaggata cgacatatac 180
a 181

<210> 13487
<211> 448
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13487

ttagaatctc agttccatt attctatgtt cccgtgggtt tccacattt gtttatgtt 60
ttttattctc gtttcattca cttttatac ccccttttga cgtgcttaag ccattntatt 120
taagtcatctt ctcgcttaac ctagaaataa aataaatttc cactgatcgt ttgaattgtt 180

ttatccgtta actttggttt aaatgaattc cgaccgatcg gtcgtgccgc aaccacgttg 240
gaaaccaaaa aagaggtaaa taataatata ataataaaaa ataaaaaaga taccctttg . 300
gtaaaataaa gcgaaaaatc aattggacgt tttctctttg ggatttctca ttcttaatcg 360
aattgactaa taactaaagt gaaactaagg ctaaaatcaa ctcgcctagt caagctcatc 420
cacaanaata tggtttgaaa gtttatta 448

<210> 13488
<211> 448
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13488

tggcattgt ggaatgacta cgatcgcat ggtgtggact atggcatga ttagtntacc 60
atagttgtcg tcgaaagctg acattgttca naaggatgt catcattntg ccatggccgt 120
gctacttacc acgatagtgg tcaagtgaca aagttgttca aatcttcata aagcatgcac 180
tttccaactc tttcaactcca ttgagcggct atactttcc aagacaaaat gagtgtctaa 240
gcatgagttt tgccaagata atgcatgata atgacacaaa actcacacaa aatgtcaccc 300
aaaaagtggt ttatcaacct ccccacactt gaggattgct tgtcctcaag caattttct 360
agttatctta atcaaaaatan attctccaa gccagaactc aagtatcana acccccaatt 420
tattcaaaaag taaaaactca cacgttgg 448

<210> 13489
<211> 217
<212> DNA
<213> Glycine max

<400> 13489

gactatggca tcattacggg cgcttaactg ctgacagttg gacgccccatct tctcaattaa 60
atttctggct ccagcaggag tcatgtctcc aacggctcca ccactggcag catatatcat 120
acttctctgg atattacctg attcttcata aaaatattgg acaagaagct gctttgtaat 180
ctgatggtgg ggcaactggc acatattatc taaaatc 217

<210> 13490
<211> 431

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13490

gtcgaccaaa agttcanaa ggaagagaga agaggattgt gttgggttgt tatcaagttg 60
taggtgagat gcacgaccta agaagcatgg caggccgaac gttcaaaaa ttaaaatgaa 120
aatgttggta atgaagttga tggggcttgtt gagattacag gacctaataat 180
acatgatcaa cccaaaggtt ccccaaagat gaagaagaat gcttggaaag ttcataatga 240
agttgttgtt gttggtgata tcacaggact taagaaacgt ggtcgaccaa aatgttcaat 300
aaagaaaacag ggtactgttg tgtacgctt caataatgaa gtgccatgtg agattgcata 360
caagatctgg aaaatataaa tgctgacaat ctgtgtcaaa agtttagatg atttgcac 420
ctaataactaa t 431

<210> 13491
<211> 502
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13491

aggggnnnna agttgagtt acgtgctcng tatcancngc anantcgagn nanatacana 60
naagnngccn tgtananaaa caacggagga gaggtttat ngatttat cattccataa 120
cgcggggctc aggaggatcg tacaacactc tagaacccca catatacatt ttagcatgt 180
gaataatacg agatcaatgg gtgctccaa taaatgaaaa atataatatc tttttgtatg 240
taagatgtgg gaatcgctga acgtgaagtt gaacaacgga tatgcttgg tgtccgataa 300
tgggtgtgga gttgtttgaa gacccatggc ctcgtgtgtg tgccatcaac ataattcatt 360
gtgcatacat gttattgttc tattacctgc tactcttatac ttacctccat gagttctgtt 420
agtgtcaag atgaccacaa cattaatgtg tcatgtcaac aacttggta tggttcgaga 480
tgctcctccg atcactaatt cg 502

<210> 13492
<211> 409
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13492

ngtttgttat tgctctgaac accttttc tctctcagat ttactggca ccagaagtat 60
taaaatttaa taaaactttt ctttgtaagt ttatgttaat gttaatattg actgggtcca 120
tttctgaaat ttccctagta gcaactccgc tctccctt attttatTTT tctttggTT 180
gatgaagtgt tatttgtgtc cactaattta tgcattgnGT gtaattttta taaggcaatG 240
gaaatggagg ttataaggTT gattcgaatG ttgaagCTGA ggaagttGCA gcagatgacG 300
acgatgatga cgatgtcgac tgggaggaag gctgatgaaa aatatctgat cagtataatG 360
taatggtcta ttctgatttG caatggccaa tgctcattaa taataccgc 409

<210> 13493
<211> 258
<212> DNA
<213> Glycine max

<400> 13493

accaggcacc ataggttagAG gtgaaaACTC taaccataa ctgatgtGA tcagatgcAC 60
aagcccataAT ccatacac aacaaAGCTA agttGAATTt ggagatatac tttatccccA 120
gacccccATC agacttatGC agacaAAATAT catGCCATCT cacCCAAAGGG atttCATTAT 180
gaacaatgtc tacatcccAC agaatataCC actgaaggGA tatCACACTT gacggatATC 240
ccaaggggct gcattcct 258

<210> 13494
<211> 311
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13494

gatgggccta gatgggcccA aggctgatta tctccctct aaactgttca gtnCACCCGG 60
agattgagtg gaaggctgat ctacttccGA aacattgcGA aatcttacGG atcgcgtggC 120
aattggctct attcaactcg acatgaccAG caaaaACCCG tatgtcgaca aacaattgaa 180
cctggacgaa attacggat gacaataata atggaaataa agtcttaata cttctaaaAG 240
gggatgggtg agacattata ttctcttaga ctatgatatG gattcgtatC atttgatcat 300

ctactcatca t

<210> 13495
<211> 113
<212> DNA
<213> Glycine max

<400> 13495

acgttagctc tatcaatcat ctttaaatca tctatcttc aatcttctct cacatcg 60
aatacctttg aactctgtct acagagataa ctcttcatct gtctaaaagg gtt 113

<210> 13496
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13496

tcaggctgct caattgctcc aggttggc atgtttggc ttatgtctat atggnggtca 60
gcagaggagc acagaccaca aacccttgcg acaggtacag atttctgatt caaggccagc 120
taggttacca agttgaccaa cgcatccagt tttccttcaa gcttcttatt ttcagatgat 180
gcagatgggt ttgttagctac ctcatgact cctctaatac ctatggcata ttttctggcg 240
ctaaactgct gggagttga ggccatcttc tcaattaaat ttctggcttc agcaggagtc 300
atgtcttcaa gggctccacc actggcagca tctatcatac ttctctccat attactgagt 360
cttcataaaa aatatatgaa aataaactgt tctgatatct gatgggggg ctactggcac 420
421

a

<210> 13497
<211> 387
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13497

tttgtcaaaa atattgctca naactttca gttccgacc ttcatgacct caacatcatt 60
caggtaata attaaggaaa gacaaatatt tgtcattaat attttataac ttgacttgcg 120
tcatgagntt gtgcttagctt attgcttccc gcgagttgg ttaatattt ccggcaaaat 180

tcggctttt tgctggttt ctggcaatga agtactagta tataatctatc agtatctatc 240
tggcacgtac cagaaatcct gtgtggcac aaaatgtcac acacacgctg aaaatatatt 300
ttataactatg tttaatttgg atgtgataaaa agaaaataaaa gaagaaagaa aatatatata 360
gaaagaaaaaa attattgttt ttttcta 387

<210> 13498
<211> 389
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13498

agccttaggt gcccattgtt gagacatggc gctactgtat gantcttca tttgagggcc 60
taactcctac gcatacatat tgcccggtgc ttatatgaag gactaacctg taagaagttg 120
aaagtgaaca attatggacg tatgatcttta cacttatctt aaaagcataa gatgaatctt 180
tcattcagac ttgttattgc acaacaaaca caaccatggt gtatgcttt ttttcaata 240
atggaacaag aacttcatcc accttctaacc agggtaaatg atcattagtc attgtcatct 300
cacatatata tataaaagca actcttgatc tagtctaata tttgagctt ggtcattgtg 360
tgaggcaaaa ataataaaaaa tattataac 389

<210> 13499
<211> 518
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13499

agannanna ggtagtgct gatccttgta tnccctgana cattgagtaa nangccccga 60
aaccanatgc tcaccactac tagaggagaa gccacatttt gnncacttaa acctcctcct 120
ctaaacacca ttaagaaaag ttgtttcac atccatttg tgcaactcaa ggtcaaaatg 180
agcaactaat gccaagataa taccaagaga atctttcttta ggtactggag aanaagtatc 240
tatgtatcg attccttctt tttaagtaaa tcccttagta acaagtcttgc cttgtatct 300
ctcaatgttg ctaatgaat ccctttggc cttaaagacc catttacatc caatggcctt 360
tacccatttta ggcaactcta caaggttcca aactctgtta ctctgcatgg aattcatctc 420

atccttaatg gcatcataacc atanatttga ctcttacaa ctcatggctn gatcaaaagt 480
gtcgagatta ttntcagctc caatattaaa gtcagatn 518

<210> 13500
<211> 339
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13500

atattatcta ctcanaaagt acacttctct atatttgcac agagggtgtt cttcctaagg 60
actgatagaa ctgcctgag atgtcctaag tgatcatcta ggctcctact gtacactaaa 120
atatcatcaa aataaacaac taagaatcta cctatgaaat cccttaagac atgatgcata 180
agcctcatan aggtgtttgg tgcatttagt agcccaatag gcatcactag ccattcatac 240
aaacccaaact tggcttgaa agcggttatac cactcatcac ccttttcat tctgatttgg 300
tgataacccaa cttaagatc aattcttgaa aacatattg 339

<210> 13501
<211> 339
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13501

tacacaacct gcgtgagcaa tagtaatatt atccccagcg ttgcgttagg gataaaattg 60
ctctggcacg aattagccaa ctcttcatc actctcctaa gtctcgctgt aataatctt 120
gtaattatct tataggatac attataaaga ctaatatgac aaaaatgttt catagacgta 180
accggctaca cctttgaaat aagagctaca agacgttcac tgatcatctt cacttttagt 240
ggctcatcaa aaatatctt tatgagatcg caaagagaat ctcccacaat ggtccactgg 300
atcggatctt gtaaaaaatt gactgtcagc ntctgcact 339

<210> 13502
<211> 391
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 13502
acaggttcag gtgcagggtgc tgctactggc ttatgcactt tattttgctn gccagaccc 60
agggggatag cgctcacatt ttccggatta tgcacagttt gtgaaggcaa tttgtcagaa 120
ttttggatt gagctcggtt catctgagta gcccacatgcc ccatctaatt tgtcagactc 180
tgaatgaagg ctcttgctc tagctgaaat tgcatattct ggatggtcat ttgcctcact 240
aactcctcta atgaagggtt agacggggcc atagtttctc gtagtcttg ttgttgtgc 300
tgcattggag gatgatcata tggcctgctt ggaccaacag cattctggat aagaggata 360
agttgttgtt gttgctgttg tggttgtgga g 391

<210> 13503
<211> 459
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13503
actaagcttc cttgagaaga ttcccgaaaa actagagctt atctacacac acctctctaa 60
taactaagct cacctttta agatgagaag ctagagctt gctacacacc tcctataata 120
gctaagctca cccccatgcc aaaatacatg aaaatacaaa aaaagtccct actacataga 180
ctactcaaaa tgccctgaaa tacaaggcta aaacctata ttactagaat ggccaaaata 240
caagccaaaa aaagaaggaa aaaccttattc taatatttac aaaaaagagt ggacccaacc 300
ttggcccatg ggctcaaaaa atctaccctt aggttcatga taaccctagg atttcttta 360
gcaactntaa cccaatcctc ttagagtctt ctatccaata ccctgggggg gtaggattgc 420
atcataatgt tagcctgttg aggcttctt tccatttct 459

<210> 13504
<211> 449
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13504
cacccagctc gcccaggcga gctcagctt ttctgcgtt cttgttgtctn cctccagaag 60
gcaccgtctt ctggataact tcctggaagg cccaaatggg cctgggtgct atttgcaccc 120

cctgtttact aaatacacccc cctgccttt ttgttattc tttntccgta acattatgga 180
actttacgaa tttttaacg atacttgtt tctttccgta atgtcacgga accttacgga 240
ttatccaata atgcttcctt tcgaatttcg gcatgtcacg gaacttcatg gattgcctaa 300
tgatgggtgc caagtaccc gaagtggtca aacgagggtc gcatcccaac aaacggatgg 360
tccccggacg aaagtatggt atgacaagta gcatgtcttc tataaccatt tcttgacaac 420
attattnagt atatctcaa agaggtAAC 449

<210> 13505
<211> 450
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13505

ggganaccct atcagagcaa acagaggaaa agtgggang aattttanga atctactaga 60
gatgctacta tcactgacgg actacacaca tgagcccgct tagaggtaa agatgagttt 120
atcacaattt gggttagaat gaacatgtgt agggatcctt aggggaccaa attgggattt 180
attttggat gtttattgaa ttataatttt tcctttatga ttataaatac aatattgttg 240
tgtttgacag accaattgtat gtcctgatgc aaattgggtt ataaaattga gtgttcttgg 300
tgtttcgtg ttttaacct atgatttcga ttcattgatt ttggatgtat tttgtgaaat 360
tgtttgaggg gtttacttc ccatgttgc agaaacattt ttgtatanat tatntgtact 420
ttggacaaga tattcttagat tgacatgata 450

<210> 13506
<211> 265
<212> DNA
<213> Glycine max

<400> 13506

tgaaacacag aaaggtgcga cgggctcgga gtaagatctg agctgaaatg gggAACgaga 60
gtgatgaccc gcggAAAGCGG CGGCTGTGGA ATCTCGTGTATGGACGCG TTATGTGCAG 120
acttgctata tgctctcctg acattggagg tccaaaagga cattgtgata tgggttcaag 180
caatttataa gctactttt aaccattggat gatgtttgc tcggAACTCC tttaatcca 240
tttttggatggatcatc aatga 265

<210> 13507
<211> 396
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13507

ngagatgagg aagtgttgaa gggttataaac ttccttcttt tattgttgac cacagagtgg 60
tacctggaga tatgtcgccgg nggtcaggag accttgggga cgtcagggtgg ggtgctattg 120
ccccaaaacca agcttgcacca atcccgcaccc aaccggggca tagtcggtca gtgagaacct 180
gtgatgttacc taagcaggcg agtcctggc agtcaacaga taaaaggaaa acaagaccac 240
aaagtaagga ggcttgttgtt ggctggccag ctgtgaaatt tgtgtaatat gtggatggtg 300
gcctctggta atcgattact aagggtgggt aatcgattac aaggcttata aatgaagaca 360
ggaggctaag atggtctctg gtaatcgatt accacg 396

<210> 13508
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13508

caaacttat tatctagaaa tattgtctga aggattatat attctaggag gaaaacagag 60
atcactccca naccacctcn atatttaaaa acctttgctt ctagagttga gaaacanacc 120
attncaagc ataaaagaaa gattnntaac aacaagctct atacaagggg cccattcacg 180
atggtatgaa gtaatacttc atataacagg aagaatggca tgagaagatg agaaaaacccc 240
tccccataacct tgggtattn taaaaatggt tcgaatgtga ttataaatnt cattaccttg 300
tagctcaagg tctcctctac aacatacttg aatttgagga agaaaaacat ctttcttcaa 360
cataaaagtn taaagagaag ttagggaaat ttagagaaaa ttagatgttagag cactcttagga 420
gagagagaaaa aatg 434

<210>	13509
<211>	433
<212>	DNA
<213>	Glycine max

<223> unsure at all n locations
<400> 13509

tcctacggcc tgctccaga ctccaccccc cgtgccactt cggaagattt taaccaagcc 60
cttacttttg aggggcaact cccaccttat gaagactttc ccgggcaaga cgatggggaa 120
ggagataccc atcttggccc cctgctccac ctcaaagatc catcccgca tgaactaccc 180
tagccgaaca tagtccgcca tatcccgcc tcacccacac ccgtaaaaga atctgttccc 240
tttgcagaag gtaaggaaa gattgaagcg cttgaagaga ggttaagaac agtcgaaggc 300
ctcggcaatt acccattctc ggatttggca gatttatgtc ttgtgccaa catcgtcatt 360
cctcccaagt tcaaagtacc agactctgat aagtacaaat ggacgacatg tccaaaggag 420
catctncgga tgt 433

<210> 13510
<211> 349
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13510

cttcaaatg gattccact gaanttatta ttagacagat tgagatatct taatgatgaa 60
agttttccaa atgatctang aagagcacca ccaattgagt tggaaaa atctagcagc 120
acaatattt taaatgcccc aatatgatct gtcagattgc ctganagttg tgaactctga 180
actgcaagtc ttgtgagtcc atggaaaata caaggagcaa gaatttctaa aagttcatta 240
acctgttgt tgagtttag atatgatana cctatcaccc ttaagttgca gacattaccc 300
aaagaagttg gaatgttcc ttcaagttga ctatatgaca natcaagtc 349

<210> 13511
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13511

cacatggta caagccaaca caccatttc tattttang ccanacttct tcttctagtg 60
ctccattaat tangagtttgc attcctgana ggtgcagaca cacctgcagg ctaccctgc 120

aagccacctg ctaatagaac attgatgact ntgtgtacac tangttatag ctgaagctgc 180
aatgtcata aacataatga atgatgttgt gaccccagct tttgtggcta gatcccatgt 240
cttaattatt ttttttgaa ctgaaaaat aatttatatt aaaagataaa gagtaccagg 300
ggtactatat aaacacacag gagtaaagat ctccctgaaaa tgataacaaa aatacaacaa 360
cccaacaaat acagccacaa acccaaatct acaaaccac tctaattaaa agctatagac 420
atagctg 427

<210> 13512
<211> 451
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13512

ttgagagtcg agaatacttg attattattt gttaagtntt ttatgatgta gaagaaaaatg 60
aatgtgagcc ttttccctt ttgaaagact tgtaaaaaaa atgtttaaa attactttta 120
attaatattt gaattttttt attccttatt agtatatatg tgagggtag aggggtcac 180
acttagcata tttgaaatt tcaaaatcaa attaattctt aacaataggt tcaggtcatg 240
tagatctcta cattgttcc tttgttatt ttctttgggt tattttgttgg 420
tttataacttc cataaagctt ttgtggacat ttctgacttt cgccaataat tggtgtaaat 360
taggatccaa aagcctcggt caagactcat tcatgtctgt tcctaattgag gaaaacttgc 451
gtcacattcc caggtgtgct cttcaattct g

<210> 13513
<211> 336
<212> DNA
<213> Glycine max

<400> 13513

gagcacagac cacataccct tgcaacaggc acagattact gatgcgagtg caactgggtt 60
accaagttaa ccaatgcattc cagttgtct tccaaacttct tagtttcaca tgatgcagct 120
gagtttgtat ctacctcatg cactcctcta atgactatag catcattcct ggcgctaagc 180
tgcggaatga tggaggccat cttctaaatg aaattactgg cttcaggagg agtcatgtct 240
ccaatggctg caccactggc agcatctatc gtacctatct ccatttact gacgacttca 300

taataatata gcataagaag ttgatctgaa ctctga

336

<210> 13514
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13514

cacgacaacc aaatgagaan atgcatgtca aagtttatca tcataatnact ntattggct 60
ttgataataa ccaaattcaga acgacatcta aagtggctat tgctaaactg ttattaaatt 120
tttggccctt tcagattgta aaattattta ttttttatt ttaatgtta tctctttaaa 180
tattttattt tcttcattt ttaaatttcc tttaatttt aaaatgctt tgcaacaatt 240
aaacccaaag tgcatccgca gagaattgc tgtggacctt ttatagcttc tataataact 300
aaattagaag tgcatccaaa gtagtgacta ctgaagcttc attntattaa agtttattt 360
aaaaatgtta ttattattaa tattatcaat gttattnat atttctaagt tatgtatgaac 420
atatgtatac aatntaagtt catatgact 449

<210> 13515
<211> 292
<212> DNA
<213> Glycine max

<400> 13515

taaccatat tccggaggaa gggtgtacaa aatgaagtgc accaagaagg actcacacat 60
ataaacctcc aatatcataa tttgagctaa aagatctcgat atttgcatta tgtaataatg 120
cacacccatc acactggta gctccagaga ggagaacttc atgaccagg tgctttactt 180
gctaaagccc tatctgaagt gatgaacttag atatcaatag cttacgcag gtctcataact 240
ttctcatgtt ggtcaacaaa accacatatac ctatccgaga gttcagcctt ac 292

<210> 13516
<211> 387
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13516

ctcaagctnt gagcaaattc aaacgacaat aactattgac tctgatgtcc tattgtttc 60
cgtaatatat cgagacgctc gtaagtgaga acagaagctc tgagccaatt caaacgacaa 120
taactttaa ctgggtgtc cgattgtgtc tcgttagtata tggagacgct tgaaattgaa 180
aattgaagct ctgagaaaact caaacgaaca taactttga ctccgatggc cgaatgtgtc 240
cccgagtata tcgagacgct cgtaattgaa aacgaaagct ctgaacaatt tctaacgaca 300
ataacttttgc actcggatgt ccgattgtgt cccgtagtat atcgagacgc tcgttattgg 360
aaatagaagc tcttqaaaaa atcaaac 387

<210> 13517
<211> 217
<212> DNA
<213> Glycine max

<400> 13517

ccttgagatg aggaagtgtt gaagggtgaa gcttcctgct tttattgtt accacagagt 60
ggtagtgcgaa gatatgtcgc ggggtcagg agaccttgtg gacgtcaggt ggggtgctat 120
tgcccaaaac caagcttgac caatcccgac ccaacccggg catagtcggc cagtgagaac 180
ctgtgatgtt cctaagcagg cgagctcctg gcagtct 217

<210>	13518
<211>	422
<212>	DNA
<213>	Glycine max

<400> 13518

ttcgaggtac ttacccgttg tatatcgaag atcgatgatt atcgaatgaa gaacgtcgaa 60
gaacgggtga gatcttgcg aaattcctca cgaaaaacgt tacggaaacg tttcggaagc 120
gcctcggtt agattttctt cacggaaaca atttttccaa gcaaattcga aagagagaga 180
agtgcctaag gggctaaacc ccttttcctt ctcaacttcct cccctattta tagcaaaaata 240
ggggaggtgg ttgccgccccca gctcgccccag gcgagctcag ctcgccccagg cgagctcagc 300
tcgccccaggc gagcagggtt gcttcctcca gaagcaacccg ccttctggag gaatattccg 360
gagggcccaa gtgggcctgg gtgctatttg cacccccatt tttactaagt acaccccccct 420
ct

<210> 13519
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13519

tgttaggatta tggngtaccc atcacatgtg gtactangtg gttgtcgccc gatgggtgcac 60
aacaagtgtt ccacatccac aaagcgcgca taaaccacc atccccgtt gcccacctcc 120
aactgagctc acgtactccc acgtagccca tatcctcggt tctctcaaca cgggtcccc 180
atcaatcctc ccaagcttc ccaacatcca agtaatacaa cattcaaaca gcacaaaatta 240
tcacagccaa gcaaaatagg gcaaaggcag aaaaactctg cccaaaacac caaccaaaaat 300
cacagcttt ctcacttaaa gacccagta acaattcctt cgttccaatt cgtaaccgt 360
tggatcgact cgaaaatttt actggaagtc tatagtactt aagcctacat tgtgaccgtt 420
gggatctact agcaaacatc tagaactca 449

<210> 13520
<211> 401
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13520

tctgcaaggg tcatgactac tgttaggagac atgtttntct tttcttaatn cttaatat 60
tngccttctt tcttcttccc ttatttggc cctctcacct tgatttatcc tacctcttt 120
tccctttctt ttctttcttag ttntccttcc cataacttga gggactcaa ctcataaag 180
attctagaga gagaaagtcc ttatgacttag taccctcacc attaacacta gatgaaagat 240
gactcctatt ggccctaag ttgtggttct ttcttgctgg gggttgcaa aaggtaaaag 300
ctagggttta aaagaactca agataagcgt gataatcaag aagaaagtat tatgtataaa 360
caagataaac taggtgtgac tattaaagaa aatatgctat g 401

<210> 13521
<211> 323
<212> DNA
<213> Glycine max

<400> 13521

ttggcaccta atggggggc tgtcaaagaa ccctacaaaa aaattaagca caacggtggg 60
atggcttctc attagaaaca caatttatgt taaaataat attgaggata tattatatct 120
aaatttcaac attcaaagaa ataaatagag acacatatac ccctgaaaca taccaacata 180
tcaggttaa tgccgttacc atcaacatct ccctttcaa catgccaccc agaggaaata 240
tctacagaga ctataactga tctttttgg ccaatttgat tattattatt atgtaaagag 300
acaagtctct gcatcaaatc atc 323

<210> 13522

<211> 316

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13522

tatgtcgccg gggtcaggag accttggggc cgtcaggtgg ggtgctattt cccaaaacca 60
agcttgcacca atcccgaccc aaccggggca tagtcagtca gtgagaacct gtgtatgtacc 120
taaacaggcg agtcctgac agtcaacaaa taaaagaaca aagaccacaa agcaaggagg 180
cttgtgttgtt ggctggccag ctgtgaactt tgagtgttat atggatatg gcctctggta 240
atcgattacc aagggtgggt aatcaattac aaggcttana agtgaagaca ggaagctaag 300
atggcctctg ataatc 316

<210> 13523

<211> 351

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13523

ctctatntgc tatgcctaac ttcttagtcat cacaaccttt ttttgttca gtgtcttca 60
tggtctgcag ctcgaattct ctgtccaagt agagtacttg catgtcggtt gttctttcac 120
agccttgata ttctgatttg agataatccc tctggcgaac ttgtatgttca taattcttgc 180
aaaaatgatt ttaacatag cgaagaaaag acaatttttta gcctaaacct ttttgcattt 240
cctttcttttgcattcttca ttggccgt cgttgaattt aaagatagtt cagggacatc 300

atagtttct tctagtgcct tccaaagatc caatgcttca agatgagtag t

351

<210> 13524
<211> 444
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13524

ggaagaagcc ncaaggacaa ttgtatgtat ctnggattat taagaataag aagaaaatgg 60
actcctctcc ctcccgtgaa gaactcatga acaacaatgg agaatgaagg ttccaagttt 120
gatatttttg gaggagtgaa gagataaggc tttaaggctt ggtccaaatg aaacttggtt 180
aggcttaatg ttgataagat caaattgaca aaatgaatga ccatttgata gccatggtgg 240
aagtgcataa tgccggccata tatgggtatt ttgccttttg aatttttaac cagaaatggc 300
taaagttagac ttaagcaaaa atggtaaagt aaaaattatt tttgctaaaaa ctggtaaattc 360
ttatcctaattt ctcttatatt agtgtgctaa ctccctagat tagtgtgctg acctcccttg 420
ggatatgtgt cttagatgtg aacc 444

<210> 13525
<211> 347
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13525

gatgcagcag taatgatgtc cgagttatgt agttgaacgg nnacnaaccc gggatgggtt 60
tggccaaata caacagtgcac ataactagcc tgataaatgc caaaggaaat cgtggaaagt 120
atgggttagg ctataagccc actcaggcag atataaagag aagcatcgtg ggaaggaaga 180
gcggtagtca aaaactcgcgg ttgagacaag aaggtgaacg aagcccaccc tgccacataa 240
gttaggagctt tataagcgcg ggtctgggtgg acgaagggtca agtggtcgcg atatacgaag 300
atggtgttct gactacattt gatgggtac gaccatgccccc tcctgtat 347

<210> 13526
<211> 548
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13526

cggataacaa aaanagggn nnagggcag ttaagcctga gaccatgtat nntcggtgta 60
ncnactncga naanatnaac agaaanaaca nnnagannag cggaacgaga ggaagaagaa 120
actcttggag tgtttanag ttataangag nagggagcnc tgggtctta gagagagtga 180
tactcctaaa tgcttgagtg attcaagaac acactgtgtg tatcaaagga ctccacagc 240
ctttgtgtgt tgccctact ggaaagagtg actctatcct tcctatcatg ttgccttgc 300
ttcttcgaa ccacaatcac agagaaatga cgtctgcgca gaagcttctc acgagcgtaa 360
cttccatgtt acacactaca aggaagttag tcttgcgcct aaattgaagt gtcaaacaag 420
accttgctcc ttagtgagga atcacccat agagaggccc tgcacatgtt gtacagcgat 480
ttgtatattt ctgacagcca ccactcagac tatgatatac catacgattc atgcatttta 540
ttgccaag 548

<210> 13527
<211> 355
<212> DNA
<213> Glycine max

<400> 13527

tactttgtgc atgattgatt tattccttgc acccattttg atctgaaagt atgattgttt 60
gattgaacct tgatcctgtt cagtttatct cttctaccc tgccttaggt tgtaggagag 120
cctcattcat aaaaggagat tttggtcaa agcaaatttg cccaaatttg gaggaattat 180
ggggtaaaag cttgtaatgg taagaacaga gcaacacaca caatcatcta ataaggcaga 240
agtattaaaa aaaactgtaa gtataaaaga aaagtgtgtg tgtttctatt taagaaaaat 300
aaaaggtaag tgcggaaagc aagtaatata gatgaataaa aagaaaaagg tgatc 355

<210> 13528
<211> 465
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13528

acacttagca actcaagctt gtgcattcaa tatgctgata agggtgttcc atatgttctc 60

tttactggac taataaaattt gctgccaag tttcatggc ttgcagatga agatcctcat 120
aagcatctta aggagttcca tattgtctat tcctccatga aacccctga tgttcaggaa 180
gatcatatct ttctaaaggc tttcctcat tctctggagg gagtggcaa agattggtn 240
tattaccttg ctcccaggc cattaccaggc tggatgacc ttaagagggt gttcttggaa 300
aaaagttcc ctacatctan gaccactacc atcacgaaag acatntcag gcatcagaca 360
acttagtgga gagagcttgt atgagtactg ngaaagattc aagaaattgt gttcaaggtg 420
tcctcaccac cagatttctg agcaactcct tctacaatat ttcta 465

<210> 13529
<211> 214
<212> DNA
<213> Glycine max

<400> 13529
atgctcacga gagaacatgt gatagtatgc tcacctgaaa aatgaacaat tatgagaggt 60
gttgcacaga gcacacatag aactttcat caatatggtt tatacaaaca attcttctta 120
catgacagtg cattcaagac attagcttg tttagctttg ggccacatct cattgttcca 180
acttgttaagg gatatgatata caatccctat tctt 214

<210> 13530
<211> 290
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13530
naagctatat atatgtntac atatggcaac ataattcagc gaaattcattc attggtgaaa 60
aggggaaaat gttacgaaca tcataacaaa aaatttgtca caaaataaaa ttaaacttat 120
tttggatattt tcaactcggtt caaatcaagg gaaaattata caatagaagg aatagagagc 180
tcactccct tattattatt attattatta ttaatttaat taaaacaagc aacacaaaat 240
attttataac aaataatata tattttaaaat ttaaatgggg atgttacatg 290

<210> 13531
<211> 405
<212> DNA

<213> Glycine max
<223> unsure at all n locations
<400> 13531

agcttgcgtg ttgtgttgca tcggggaaaca atttcactgt aaaagtgggt cccaaatttgg 60
ttcctaattt tcaacttacc tatttggaaag tgacatcatg gcagtttaggt cccagctttc 120
cattgtggat tcagtcacaa aaccaacttc attatgttgg actatcta acggngattn 180
tcgattctat tcccacacag atgtgggaag cactntctca ggttttgtat ttaaacctct 240
ctcgtaatca tatccatggt gagattggga ctacattaaa gaatccaata tctatccaa 300
ctattgatct aagctcanat cacttgttg gtaaattacc ctatcttca agtgggtgt 360
tcggtagat cttcaagca attcatctt tgaatccatg aatga 405

<210> 13532
<211> 407
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13532

agctgcttat ccaaggcttt ctcttggta tgaagctcct cttccatgg cttattccct 60
agtggatggc gcctcctctc acctcttctc cttcatcttc cactgcacatc ccatgggtga 120
naatcaccat tgaagaacct aattgaaact catagatcca gcctccatag aagcttctca 180
agcaagcttc aatcaagtgg taatcatagc acatgagctt caagtaggtg ctccgtaaac 240
ctttatataat tttcagcatt acctttcct acatgggtgt gtcttcatta ttctccatgt 300
atctactcac atgtcttggc ctgaatgttg tgaagatgtat ttttagact atccaccgat 360
taaaacttgct atagaagcta gatggactt tctatggttc aaatctc 407

<210> 13533
<211> 505
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13533

agccnnncn ccggcagcaa cgtagtcga tgcatntgcg attcgcaana ccncncaagc 60
nnnatacana ctgcgaggat gacccccagg gagtgaggct ggttttgggtt ttctgacta 120

ggttacggaa attaaaatct catattatca cttagctcaa cacacttcct catacttaac 180
atgcacattc agaaattcac acatgactaa ctcaagtcat ccctcnanat attcaagtca 240
gccatatagt caaattacaa gatanatacc acttaaatat caattgataa ctataaataat 300
gtaagaggtg gtacaactct ccacccttgt agaaattcgt gcccgaattt acctgactca 360
aacaaagatg gataggctgg tcgcatctga ctctctactc ccaatggaat ctctccctc 420
tatgttttg gcacctatcc tcacctcaag acaaggttat atgcaagtct cttactgacg 480
tctccaatcg accctgagat gtcag 505

<210> 13534
<211> 369
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13534

tggacccta naaanggcag acttggagat tcttatcgag tatattaatg gaaaacaaat 60
gatcaaaatg aatttatgtg ccgaaagagc taaagatgtc ttataaataa ttcatacata 120
tatttacgt ccttcccta tggattcaat gaatggataa atgtatttca ttatgttcaa 180
agatgagtagt tttatcttta atagatgaga agtcatggtc tttaaatgtt ctcaagcctt 240
tcaaagctga atttgaactt caattaaata agaaaattat cggtgtcaca tctgactgag 300
atggtaatg atagcgttac tatgacatac attgtgaaca acgtctacaa ctcttcacat 360
ttttctttt 369

<210> 13535
<211> 319
<212> DNA
<213> Glycine max

<400> 13535

atgaacccta ccctaataata aacactaacc taaccctacg cttaacacca aaccctagac 60
ccttaaccctt aaattctaat ccctaaacctt taacctctga attctaatcc ctaaacccta 120
aactctgcat tctaaaccctt aaaccctaaa ctctaaacca caagggttag acaataaacc 180
ctacatatta aaccataatc ccttaaccctt aaaattttttt ccattaaccc ttaaccctac 240

cttttatacc ctttaaccct aaatataaaa aataaaccct aaaaaataaa tcctaaattc 300
taaacccctaa acccttaac 319

<210> 13536
<211> 363
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13536

atacctgata gagaatgata taacttcaaa tgggatccta agaattaata acctatcttt 60
accaaaaagt gattacacca ttacaaaata cccttcattt ggaggaagtt gatccattta 120
cacagggtta tacacaaaag tagtcgtatt catcactaac actccccaaa ttatagttg 180
cttgtcctca gcaaataaaag acagctcaact ggtcccatgt gacaaaacat gcaatgacta 240
tgtcaaggtg tatgcacaaa agtattgatt gatgataaaag aatgaacana atgcctcatc 300
acttgtcttc acaaacatgc agttatcaaa gagaaaataa atgtacctgt caatagatga 360
agt 363

<210> 13537
<211> 222
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13537

agcgaagcaa tcntggttt ttatggcaac anaggacagc gagagtgtatg ctatgtgaga 60
tggtgcatac gtgtctatca tcactttca ccacaagtta caagttcca ttcaactgttt 120
ccccattcca ccatattctt gtggctatgg gagaggatta caagataagg tactgagagc 180
tcaccgccct tattataata atcaccctat cattacaata aa 222

<210> 13538
<211> 174
<212> DNA
<213> Glycine max

<400> 13538

ttacatgtac ttccaaagtg tatttgttac ctacatcaca cacatttcct ttgctaaatt 60

cacatacatg catactctaa gcactttgtc tatcaaaaaa tgcatacgtg cacatcttgg 120

tatttctaat acctatacat acacaaaactt cattatgaat ctgtactatc taca 174

<210> 13539

<211> 308

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13539

aganggagat gtggctgact ganctgaaac accgcacgga cttatgaccg agcgcttctg 60

actccttctc accccgagac gggatgagta tttaacactc gtaccaaaaac aacactgaat 120

cactgttcca ggcgaacgag tgggacatcc cagtcggtgc atttgaagga ctattcgca 180

gagagaacga atgaaacgga cttcgcagag ataccgcgga ggatgcctga aagtgtgaca 240

ttacgcgctg ctcaaggaga actgaaaagtc cggagctgt ggaccagaga ttctgatgag 300

cggcgaac 308

<210> 13540

<211> 527

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13540

nttctaagtt cccaaggccct agcnancnta nnnnctnann nnatanacac ncaagcnng 60

agcatgtcat cncgagaaaag gaggcataaga attttcattt ttactttcc ccaacaaaag 120

cggggagagg atatgaatat agtagacgaa ctgcgagttc tatccaccat atgtgatatt 180

ctatagtaac cccacactgc tagttgaac atgagggaaag ctgtagaaga atataaaacaa 240

ttccttctca tataatatca taactcacgc tagtgtcaa tgtacgaatc aaactaattt 300

ctatggacca ttgtgaccta cataaccttc tgatcatcat gattattcgt tggacactgc 360

tataatcaaga attgacggat gaactctgtt catttggctc cctatcgtat gctgtcaaat 420

cttaatagat ccgacattaa tagcgcgtac actttgcaat catgacttca caatatcact 480

tattactatg ctcattgaga aaaccgcctg tgcttgactc atctttg 527

<210> 13541

<211> 420
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13541

tatgcttcaa ttgttatng gatgccatt ggttaacttg gtaagccag cttggcctt 60
 gaaccatgaa atnntgtacc tggcaaaag ggtctgtgg ttgtgctcct ctgctgacca 120
 ccatacagac cttggccctt ccatgcagca acctggagca attgagcagc ccgaagctta 180
 tgctgctaatttacaata gacctcctca acctcagcag caagatcaac cacagcaaaa 240
 taattatgac ctctccagca acagatacaa ccctggatgg aggaatcacc ctaatctcaa 300
 atggtcttagc cctcagcaac aacaacagca gcctgctcct tccttcana atggtgctgg 360
 cccaaggcaga ccatacattc ctccaccaat ccaacaacag caacagcccc agaaacaacc 420

<210> 13542
 <211> 389
 <212> DNA
 <213> Glycine max

 <400> 13542

acacatagaa actcaagctt gatctaccac caccacccgca ccatcatctt atttctttt 60
 tgttaacatt atagtagctt gattcttagc catgtatttg gctatattat tatgacattt 120
 gaacaattta gtatttcatt tattgcata gtatgattga acaattatga attatgttaa 180
 atgactatgt ggaaaaataa tatttgatct attcatgtta cttgcttcattt gattggttta 240
 tattttcaa tgaatatctt gtgaatgatt agtaatggat gtatgtatta tattcggtac 300
 gcactttggc tttttgtga tgccaaaggg ggagagaaaat ggcgattaaa tcaagaactc 360
 acataagtaa ttaacttaat ttcaagtga 389

<210> 13543
 <211> 355
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13543

agcgtttatt ataaccatac aatncgancg catntatcat gaaactaccc taaaccaaga 60

caacagagta gaggcagaac actctgtcca aaactcattc aaataccaca gctntcctta 120
ctcatatacc ccagtaacat tctttcggtt ccgattcggtt aaccattggaa tcgacttgaa 180
aattttactg gaggttccta gtacataaat ctacantttg accgttggaa tctgctagaa 240
atgcctggaa cccgaaatgt actactcttc ccatgacttag caatgcacaa ccattttct 300
gcactatgtt aaaaaaactg ctgcacaatt ttgacagcat ttttctgcat aatat 355

<210> 13544
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13544

cttgcacaat tggcttcgc cagtggaaagg atcaatgtgg ngttgataat agngcaaatt 60
gatcatccta ctaggacgac tgaganaact gnngcaaata aagagggtga ggatgaagga 120
gaaaccatg ctgttactgc cattcctgta cgcccaagtt tcccaccaac ccaacaatat 180
ctttactcag ccaataacaa actttctcct tacccaccac ccagttatcc acaaaggcca 240
tccctaaatc taccacaaag tctgtctacc acacttccaa tgacgaacac cacctttagc 300
acataccaaa aacaccaacc aagaagtgaa tnttgcagcg agatagcctg tagaattcac 360
cccaattcca gtgtcctatg atgacttgct cccatatcta ctttgatatt caatggtagc 420
cataaccct 429

<210> 13545
<211> 508
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13545

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gnncngggga nccnccngac gcgaggcgaa ggcaggcatt ctaggctaaa tanaanana 120
caaacaaggg gacagagagg attttatagt tcaccgaaca aaaaatgttc actaataata 180
atctctttat aagacttatt actatgaact aataatatct ttcatatata tatatacata 240
tatatataga tatatatata tatatatata gacacataga tccatctata 300

taataagaga caactgatat ctaaacacgtt agatctgttg gtcctcgccg cgccggatac 360
aatagttata actcacgtgg gcagaggta cctaccgtt aagaagatat atatagggaa 420
tgcgacactg cgggatccga ccacgggtgg ctgtgtaca catcctatct gatgggttct 480
gtatacgtg cgatatacat caccgggg 508

<210> 13546
<211> 302
<212> DNA
<213> Glycine max

<400> 13546
gataggaatc ggttacaaca aagcggattt gttctttgaa aggttaagtg atatgatgag 60
atctgattca agtcgctctg ctaaatatga cagtaacaga gtgtatgtt gtccttggtt 120
ggatggttct ttaaagcgg aatcacctgg aagaccagta gcttgacaag tctacgggtg 180
agaggtgtca tttttttt cttatctaatt aatcattaca attgtatgtt ttctgagacc 240
gctgtgattt gatgtattga ttatcattcc aagccattaa cttcatcaac ctgatttagc 300
tg 302

<210> 13547
<211> 347
<212> DNA
<213> Glycine max

<400> 13547
tatcttgagt tatcatccat tacgagtgtt ctagatgaac ttgagaaaacc ttcccttcac 60
atgactgttg agacaaaacc ctcaagaaga acaccttaag ttatctgaac ttagctacta 120
atggttctt tgagtgtgct taaaagaca tgactaaatt cagaaacaca gagaatgtgt 180
gaaacatagg cctacagttg aagttctcta gacataataat gcatattcag actaatacca 240
ctagaaggag agttgttcaa aaccaagaca gacaatcatg ttttctatgc cgataagtcc 300
aaatatcaaa agttgtatataat gatcagaagc atcatgctgg gagtagc 347

<210> 13548
<211> 334
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13548

tcacanaagt ttatatggct tgaaacatgc atcgatgtag tggtaacaaga agttaatga 60
gtttatgagc aactcaggat tcanaagatg tgacatggac cattgctact atgttgagaa 120
atataactaat agttatgtta tccttgcgt gtatgttgc gacatgttga ttacaggatc 180
tagtatgata gaaattaata gtttgaagca atagttggca gaaaactttg aaatgaagga 240
tcttggtcca gctatacataaa tccttggat gagaattctt agaaacagat cagaaggaat 300
tttgaagttg tctcaggaga aatataataca caag 334

<210> 13549
<211> 401
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13549

tttgatccaa ttcaaacgac aataacttt tactcgatg tctgattgac tctcgacaca 60
tatcgagaca ctgcattt aatgttgaag ctctgagcca attcaacgca caataacttt 120
ttacttggat gtctgattga ggcccgtaat atatcgaaat gctcgaaatt gaatgttga 180
gctcctagca aattcaaacg acaatatctt ttactcgga tgtctgattt aggccccgtaa 240
tatatcgaga cgctcgaaaa tgaatgttga acctctgagc gaatncaaacc gacaataaac 300
ttttactcag atgtctgata gaggctcgta atatatcgag acgctccaaa ttgaatgtng 360
aagctctgag ctaattcaaaa cgacaacaac ttttactcg g 401

<210> 13550
<211> 384
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13550

tcaacattca atttggcgat ctcgtatata tgcgtactc tttcagacat ccgagtaaaa 60
atttattgtc gtttggattt gctcagatgat tcaacattca atttgcgcg tctcaatata 120
ttacggact cattcagaca tccgagtaaa aagttattgt cgtttgaatt tgctcagagg 180
tcaacattc aatttcgagc gtctcgatata attacaggac tcaatcagac atccgagtaa 240

aaagatattg tcgcctgaat tggctcagat cttcaacatt caatttcgag cgtctcgata 300
tatgacggga ctcaatcaga catccgagta aaagttattg tcgttgaat tgctcanagc 360
tcaacattca atttgagcgt ctcg 384

<210> 13551
<211> 396
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13551

agcttgttat ataaaactagt tcaataatta atatacaaac acatgttgta 60
tggctaataa cagtcgaata acacacttac aaaaaatact tccctaaaaa taatcatacc 120
aaaaatattg cttcaatact taattccaaa ataaacaaac ccatacacct cacaatcaca 180
tgcaatacaa ggcaaacaaa agtggctaag cctactcgaa acatccttct cattatgaga 240
gtgatgtngc ntcaacattt atttttta tagtacttgt agaccttac cacatgttct 300
aatcatcata ggtAACAGAA aatanatnta atcatcanag tcttgaatat ataaccacaa 360
ttcacataag gaactttaga atnggaagtc taaaat 396

<210> 13552
<211> 127
<212> DNA
<213> Glycine max

<400> 13552

agcttgctct atatatatat ttgatgttg tattgatggg aggagggtac atgccatttt 60
tgcttaaga ataacgtccc actggtaaaa ctaactttcc aaatgttgc cttcgcaaga 120
atggcccc 127

<210> 13553
<211> 498
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13553

agccncnnnn nnngcaggct agtngcaagc tacnancgca cactctagna aactcaagct 60

nctgttctca atacgagcgt ctgcgatatat tacggactc tatcgccatt ttgagtaana 120
agtattgggc gngtggaatg atgctcagag ctttcagttt tcaatattcg agtcatcttc 180
gatataacta cagggacaca attcggacaa tccggagtca aaaggtattt gtcggttga 240
atttttcttc agagccttcc cgtttcaatt tacgagcgtc tcgatattac aacgagacac 300
ntcggacacc cgagtaaaaa ttattgcctt tgattttctc agagcttcta ttttaattac 360
gagcgtctga tatatacgga cacatcgac atcagtaaat gttatgcgtt gaatgctcaa 420
ctttgttcat tagacgctca ttatacggac tatcggttc agtaaattat gcgttgattc 480
tcaactagtt catacacg 498

<210> 13554
<211> 390
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13554
catncgctgc acaaacagaa tcaatcgga gggtatagta ttattaatgttgaattatt 60
gccataccgt gtggtacaaa caataatgtc tcaaaaacaac taatggttcc gcttttcaa 120
gccctcagaa cctatgatgg gtatttaata acaataatag tagtcttagtg cagtaagtat 180
ggagaataag ttctattgca cgtatggaga ataaaagctt tgtttggttta attgtgctat 240
ggaaatgaat ccggccgttat aaaaccttgc tttagatacg aaatgttct agaaatggga 300
gacaatataa tanattgtgg aagttttctt cctattattt gattcctatc tgttaggacga 360
tatggaaattc gatgttgtac ttcaaaacatn 390

<210> 13555
<211> 386
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13555
attgccttgt ttggatgang tagacatacc ctttctgggt tagggctttt gtgtatgaatg 60
ttgtgtatgtt tatatgctga aaatggctga tgaaaactat taaaaatgaa gggtaaattt 120
aacctagggt aaaaaagtga gaatgtgggtg tatgagtggg aaaaggatga gactttgaga 180

gttggaaaggta aagtctgaat tcttgtgtaa atggaggtaa aatgagtaat cctagcttga 240
atgtcattat gacatgtgag aaaggtagc tgtgctagag ggaaaacaaa tgaccaagtg 300
aacaaagagc catttctagg caaaaatgggt gttaagagtc aatttgattn gtgagatttg 360
gtgtaatcca gtcaacaatc taatag 386

<210> 13556
<211> 419
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13556

agctggatt atacaatttg gagcattctc atgctctnca aaacccaaac tcatacttcaa 60
agctggctt gccatttcat ccacaacact gttggcttct ctgaccacat gattccaaac 120
ctcatttca tattgccctg aaaatctgtg aatctcttcg acaagttgat gctgaggatg 180
accanatca catctcccat caagaagggtt tatagcctcc ctagaatccg aatccacacg 240
aataagtgcgaaagccgacc atgcaaactt aagaccaagt aaaatggctc gaagctcagc 300
ataaagaaca ctgcctcctc cactttggc ctgaaaaactg caaagcaagg aaccagcaaa 360
atcgccggatt agccctccat agcccgcaag actgccaaat tgagcaacag atgcatacac 419

<210> 13557
<211> 151
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13557

agcttggat taaactattt anagattaan anacaggcag gtggaagtga tgcctaacat 60
ggcttataac agtcaataa cacacttaca caaaattctt tcctaaaaat atgcataact 120
gagaatactg gttcaactct taatacatga t 151

<210> 13558
<211> 521
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 13558
agggcnnnnn ggggtctagt actgnactan cgacntcaga acntaaactc tgctcantgg 60
cgaagaggtg tctaatcaag atgattttat catcttcaac acangccacc atgcagtatt 120
cagagataca tgcatacacat aatactacat gctactttgt actctcacag cacacgttca 180
cacatactga caggtagag ggtactgctt actcttaaca atacatcg tCACACCAAC 240
taacaatatg cgcatgccc ataattcagc atatatgtct tctaattgatt gcatactcct 300
tcaaaggata cgatctaattc atcgtcatac actccaatcg tgcgatccat caattggat 360
gattcacaaa cacaacttct tcacaatata cgaccatata ataattcgatc atactgcaca 420
ctgttcacag gcattcacgt ttactgaata gacaaacaac tcacatacaa ctataagtaa 480
caacatgcat tgaatactaa atgatcacac gcagcagaca n 521

<210> 13559
<211> 361
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13559
tgcttatgtc tctnggctt ttctttaaaa ctagtcactt anaaaaaaagt tgtgactttt 60
tgaaaaatat ttagaaacaa gtcacttgaa gattgtgact cttgaaatga tttttcaaatt 120
cagtcactgg tatcgatacc attaagtgtt tcgatacaca tcatagatgc actcttattt 180
tgaatttgaa aattacatgt tagagctctg gtatcgatac aagtattgtg aatcgattac 240
acaagttaaa tacttagac tatntaacat aagttataac tcttaattt atatcttaac 300
gttcgaacac tggaaatcaat acatgatatg gaaatgattc aactttgtaa tcagttgaa 360
a 361

<210> 13560
<211> 149
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13560
ttatatac cattctctca tagaatgcaa agcatggaaa gagaaagact gagtagaaaca 60
ttatatac cattctctca tagaatgcaa agcatggaaa gagaaagact gagtagaaaca

gactgggana gaggcagtag acccctcana tnngtcttct ttttgcctt ctcagtattc 120
ctctttaact ctaggtgcta cagatctct 149

<210> 13561
<211> 174
<212> DNA
<213> Glycine max

<400> 13561
tatcttatct cccacagagt aattggatat tctctctctg caaaagttca attaggaagc 60
ttgtaaaatt aaagtattaa tttgtccaaa ataggtggat ccaacacaaa attcttcaa 120
gttctggcta aaatggcatt gggtggtgga gaccaaaaaa aaaggaagaa aaaa 174

<210> 13562
<211> 439
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13562
ctctcaatgt aatgctacta ccctattcag tgtgtactat aagtcattgc tacttcta 60
agagtctaga ttcaagttaa ttaatataac ccattcaatg ttaactaatg ttgaataactc 120
ttctctcttt ctttttctt gggattata cctctgatct ctctgatcgc tctctctc 180
tgactctcat tgataaaaatt atagatccct catgtattct acttgtcttt aaatagacat 240
gcaattcagc tgcaacatatactatgct aaaggactta caaattaagc caaagtctt 300
tttgagttct gattattaaa attcggtgta ctttcttcca tcacggatcc tttccactnt 360
aataaaaaat aaataaaagtg gagtgccag attacatattc ttacaattca tacatattnt 420
tccaaatactt tatata 439

<210> 13563
<211> 353
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13563
agcttgtata tatgtacttt actactat taaacctt canaggatta aatgggaggt 60

atttatgtt taggagtatc agaacantct tggctgcgttggcang gcagaatgat 120
ggtaatgccc ttgtaaaata aaattatatg cctttggta tttaaaggag tttcttctag 180
gtggtcaat gaagcctact acacatggcc agtgggctca tttagctgtt gccatgtgga 240
tacccttagtt tggttggtt tgactntatt cactctttt tacccagttt gtttattttt 300
accaagtgtc aagatcatgg acatgacang tatagtagca ttctttacac cat 353

<210> 13564
<211> 465
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13564

ctgcatgatt tacaaaatac aaccaggaga agtatattca tatgtgcacg cacacacaca 60
tgttgataat agtttctggt gacttattac agtatatagt agatactnta ataaagtggg 120
ggaacaaaat atattgtat gtgatgaatg aagttgattt gctacctaca tagactacaa 180
aactaggatg aagttgattt gctacctaca tagacaacaa aactatgtgt catgaccaggc 240
acaccaacat gtgtttcttc agggggaaaa atcatgaata ggctaattga acagggatca 300
cagttgaatg aacatgaaat angtgcttgc tgggtggngg gcttatatga ttgcaactta 360
tattaaaggt tgccctaattn tataatatnt tnttctgaat ataaaaatat tttttactg 420
gtagttgaat aacttgaaat ttcttaattt agaaatgaat ggatg 465

<210> 13565
<211> 460
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13565

gcgtatgcatt gtcttctatt ttnctcaatt nntgaacngt nnctcgatga tatnnntagc 60
gcgtatntcat gatcgagacc atttccaatg ctaaaaaggt tatttggtgc gtttggaaat 120
ttcctactga gcccttcggt ttgtcaattn ntggagccat cnntcgatat attacangga 180
aactgaaccg gacatttccg tgtataaagt tattggatcat nnttaaattt tcttagaagc 240
ttcggatcta aattttgagc gtctcgatat attacgggac tcaatcagac atccgagtca 300

aaagttattt tcgaaaat ttgatacgag cttccgtatt caattggag catctctcga 360
taaattatga cactctgtcg ggcatccgag taaaaactta ttggcgttag aattttctaa 420
gaagttcat tttcatattt gagcgtctcg atataatacg 460

<210> 13566
<211> 411
<212> DNA
<213> Glycine max

<400> 13566

atatggagca tctcgatata ttatgtgtac tcttcggac attcgagaca aaagtgattg 60
tcgtagaat ttggtagcag ctccgtttt caaattggag catctggata tattacagga 120
ctctgtcgga catctgagta aaaagtattt gtcctctgaa tttgctacga gcatccattt 180
tcaatatgga acgtctcgat atattatggg actcaatcga acatccgtt ataaagttat 240
tctcgattga taatgctcag agcttctgat ctgaattttg agcgtgtaca tatattacga 300
gactcaatag aacatccgag taaaaagtta ttgttgttg aatttgctac gaacttacat 360
tatgaatgtg cggtgcctcg atatattacg ggactcaatc ggacatccaa g 411

<210> 13567
<211> 316
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13567

ttcttatgtt ctcaatttca agcatttga tatattacag gacacaatcg gacatccgag 60
taaaaaagtta tagtcattt aatttgctca gagttctat tttcaatttc gagcgtcacg 120
atatattaca agactcaatc agacatccga gtaaaacgtt attgctgttt gaatttatctc 180
anagcttatg ttctcaatnt caagcgtctt gatattattac aggactcaac cggacattcg 240
acttaaanag taatgtcggtt agaatctgct acgagcttcc gttttcaattt acgagcgtct 300
agatatatta cgggac 316

<210> 13568
<211> 398
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13568

tttactcnat gtccgaagag tcccgtatat atcgagattt ctcaaattga aaatagtagc 60
tccttagcaga ttcataccat aataacttn tactcgatg tccgattgtg tcccgtagta 120
tatcgtgacg ctgcatttg aaaacataag gtctgagcaa attcaaacgt caataacttt 180
ttactcagat gtccaattga gtcggtaat atatcgatg gtcggaaatt gaaaatagta 240
ggtccttcca aattcaaaacc ataataacgt tntactcgga tgtctgattt agtccgtac 300
tatatcgaga cgctcgaaat tgaaaaaaga tgctctgagc aaattcaaac gacaataacg 360
398
gtttaactcag atgtccgatc cagtgcgtat atatatcg

<210> 13569
<211> 288
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13569

tctgcatgct tgttttta tgtctagaga tttctagaga gagaaaggc caagttccaa 60
agatnttgg agatnttgg gtgtgaagac ctacagagaa ccgagcttga agaggaagcc 120
gtcctgaaag cttgagatga gtttgtgagt gattgtgagg ttcttagaggt ggaggagaca 180
tcctcaactgc tgtgatttct tcaatccttc atctttctct tctttttgtt gaaaggaagc 240
288
ttcccagttt tggagagcta tatcctctgt tggttcttcc ttgcattgt

<210> 13570
<211> 354
<212> DNA
<213> Glycine max

<400> 13570

gacacataaa tactcagtt ttagttttaga tgatgcagat gattgtaga tacctctatg 60
ctctcctcta atgactatag catcatttct ggtgctaaac tggggaggt tggaaggccat 120
cttctcaatt aaattttgg cttcagtagg agtcatgtct ctaaaggctc caccactggc 180
agcatctatc atacttctct ccatattact gagtcctca taaaaatatt ggagaagaag 240
ctgctccgaa atctgatggt gagggcaact ggcacataat ttttaaatc tctccagta 300

ttcgtataagg ctctctccac tgagttgct aataacttgag atatccttcc tgat 354

<210> 13571
<211> 341
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13571

agcttgtcat tagtcatgtt caaaaatctc atgaaagggtt gagaggacat gnaaacattg 60
tgggagatta tgccactttt taacgttaag aatggtcggg tttttttttt tttctaatga 120
ataaaaaacca gccataattg attaaaatat tataattttg gacctttaaa agggAACCTT 180
aaacctttgg gttcggtaat cccctcccct tcaagcaaaa atctacataa ctcacatcccc 240
aagtattttc tttcccattt ccaatgtttt agctctgata actntggntn ttttatatgat 300
tcttttgatt tctggtttag aataaaaaaca ttacttatac c 341

<210> 13572
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13572

ccgatgtact agactagctt ttgcAACNC agctgctaac ttattatgtt gcaacttgaa 60
ctagagtttt ggTTCTTTG atagacacga aatggatgga cgcctgagat tcaacctaga 120
aatgattagt ttctttaaaa ggatatgatg ctactcaaaa ttgtgatgat agcttaggtga 180
tgcaccagta cctgatagat agatccgttc ttgcccatac caggaagctc gccaaagaga 240
gaaactcaac ttatcacac ttatctctca agcttaagtt ctctattatg gctngatntc 300
ttaattctac tagaatattc cctaaactaa tccattgctt atttccacat aaacccctac 360
catatatggc tagagctaaa tataaactgc ccaaactata tgg 403

<210> 13573
<211> 492
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 13573

gcttttaann naanaannnn annngggagg tgagctgtac atcgaaaccc gacaggacac 60
gggatccta gagtcacctg cggcatgcaa gctaggctt tacttcnaa gactganggg 120
acacatagac tgcgtacata ctacgtcatg cgtgctaact gactttgcac catgaccatt 180
gtagtcgtca tatatgacta actttgtatt gaaaagttaa taaaatgtat gtctttcct 240
caagttatgg gtctaattgt aggttaagtac atatttatat gtncagttta attatattc 300
tcagagatac ttccatatata gtgaattaac gtggccaac ttccagattca cgtgataaga 360
tgaagaataa caatggtgaa gtagtctggtg tctcgcgtag agatgcataat gcgccgtatg 420
agtcacatcc actaagcgat gcactcagct cgactantgg gttgagagaa tcatgaagag 480
aatcagaata cg 492

<210> 13574
<211> 358
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13574

agctnctcct ctcatnttct ataaatatacg ggagaagtga agtaaaaaag gggtcagccc 60
cttaggcact tctctcttct tcgaatttct tangaaaatt gttccgtga agaaaaatcaa 120
cccaggcgct tctgtacgtt ccgtaacatt tcctgagtga attcgcgaag gtttcaaccg 180
ttcttcgacg tcttcattcg tcttcattcg cttcagtctt aacggtaagt acctcnacta 240
agcttcaan catctatgac ccgggtggcc acatttgttc atgattttat ctgcgttatt 300
acttttatcc cctttgcgtc ttgcattat taatcttcctt cttaatctaa ataaataa 358

<210> 13575
<211> 493
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13575

aggccnnnn nnccccagta gagaggatag cacgatctat tngcaanact nctaagctnt 60
taactgaatn tacaacgttc caattatgt caaaatgttg taatcgatta cattgtttgg 120

ggaatcgata accaatggtg ttgaatgtt aatcaaatt taatttgtga agagtcacat 180
tcttcacat taaaaccccttg gtgtatcgaa tacacttaat tggaaaccca ttaccaatga 240
tagtttctga accaaattca aagatgttac tcttcccata atttcaaag ttttcttgc 300
gacatatctt ttccaaatgg ttgtcaaggg ttttcaaag gtatactttt ctatagttt 360
cttccttgac ttgagagcta taaaacaggc cttgattgca acaaaacttt tctacattct 420
tagacacaac tttgccactg attctaattt ttgactctct tctctttgc aaagcctcaa 480
gtnttgtttc taa 493

<210> 13576
<211> 402
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13576

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ttttcaatat tccttaagc catataaaa tattgactan natctaagca cattgttttgc 120
ttgcttagta tttagatntg atgtaagaat ctaataatga cagaaagaat attagttaaa 180
agataaaatt actatagtga aagaaataat ggaatcaaa catgaaaann acacgttcaa 240
cttnccatgcc aacaatactg gtcggaaaac accataacga tatatttttgc catgatcact 300
gcaaggaaaa gagaagacgt taattatgaa tcattatata atcaacaatc agaattttt 360
tgaatttttag tcatcaacta ctagctcata ttaatatgaa tg 402

<210> 13577
<211> 472
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13577

nccctaattt agcgaatcgn agtttgtaca ncnnnnnnta ctaagctncc tctctaaat 60
ctaattttttt catccttagta aacatgacca tggatgtatc atttggccta ggtccaaaca 120
gaanaaaatta acaagtgata tcatgtcctt gcattgggct caaatattac atttacccan 180
aatttggaaaca cacacataca cacacagggtt ttacaaatat gcacatacat ttccttaaac 240

atgaaaacac aatgttaatc cgcatcacta gtattgggt catgttaaat gatcttatct 300
tacttactca tatgcatgtg aacactctac tttgaatagt tacgacacta tgtcaccata 360
aaaggaatca tgccctgtat aactacctca ctagatgaat cactagtac atcagngtac 420
taactttaag atgcctatgc tcggacacat agccatngt ttactcagct tg 472

<210> 13578
<211> 282
<212> DNA
<213> Glycine max

<400> 13578

acaccacata ttagtaaacac cattatattt aatacacgaa aattacatat tataaaaaat 60
aataacaatac gacatatttg aataataact aaaacctaaa taattaacat tcaaacttat 120
atacctaaac taaaacaaat attaatatga ccaacaaaaa taacacaaaa tataacactt 180
accagtgaa aaccaattgg cgaaaaacacc actaaagctt tgcataacaag atacatacca 240
caattaatta ataaatacca ttatTTATA caagaaatta ac 282

<210> 13579
<211> 305
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13579

tttcttatgt ttaangaagt aagatggng ctcgagatgc atntaacct tatctcaacc 60
ggacagcttg atgaagttgg gatgatatac cagttcggtg ctggtagatg gaagctata 120
agaggaagca tggcattgc tcaaggtaag aaggaatgct cctggtacat cgtgcaagga 180
aagatatgca tatggaagat gaatgttgct caagatacaa ccaaagaatt atgacacaag 240
agatngngtc acatgagtga gaaacgttg gagttctaa cataggatca ctttccaaac 300
ataaa 305

<210> 13580
<211> 458
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 13580
tgactcatgg tggaggagat aggaatgaaa ttttgtgtt ttaaatctnc ngnacgaaaa 60
aagtgtgagt tatctgccga caatattatc taaatatttt ttgccttca attttatgtc 120
acttttgtt ttggcctcc aactcataaa ttatgtct tagtctctca atattgtgg 180
tcctcaagt ttatgtcact ttgtntatt cattatgcat gcaaactttt atataatgtc 240
gctntctata catgcataac caacctaact aacaagatta acaaactcta acaaccaaca 300
actgaattaa ctaactccac gtaactaact acacgtaact aatctgcacg tgtgttatta 360
tacttggctg caatagttc ttccctaa catttcctaa cccatcaaanc acatcctgtc 420
ctagaagtgt taagcatatg ctntgtggca catgat 458

<210> 13581
<211> 389
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13581
tatcttaat tttaatgttt tatcaganca tgtcaaaaac gcgtatcaaa ttatggagat 60
cgtggatgg tattgttaagt gacatccttgc ccagagtgg atctgattgt gatggcacta 120
agcacatgat cacagtttagt aatgaanatg cttngatga atattgcact gtaagtattc 180
tttaatatgt tgctattgt tattcaaagt agattggatt tgactttttt tttccagtc 240
gcatatatcg gttaaacccgt ttcaattcaa ggtgcttcaa gattggatg atatagtgaa 300
tttggctgaaagatagag ccaccgtca tggagctaa actgctatgg atgctgatga 360
agcgatgagt agagaaacaa atgaagtgg 389

<210> 13582
<211> 380
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13582
tgcatcgacc gatgtcggtt atagacggtc aatttatatc ttgttattata tcngangcng 60
gctactaggg aatgttcgat cggcgatc gggtgatgtt ttntattta gacctcgatc 120

ggccatctt catggacgac atcggctatc attctcttt cgatcagtat cgagaataa 180
tgaaaaatcg gcatagtaaa tgagaacatg ccgggtgcgg ccgaaacaca actntggttg 240
agctctcacg aaaaaaccta tccggctac tttgaaaatt ttatggcga ccccccaacta 300
cataacttcc ttactgcaa agaaatattg ttggccatcg ttagaacaaa attgcgcaat 360
gtggctgaaa atatcatcac 380

<210> 13583
<211> 226
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13583

aatctatgtc ttatatgttt cccattctct tttcttctaa tttacctaag gtaatttgtt 60
ctttataaaa atatctgttt tcaaaatctg ctctattgtt aatctatctt tagatgatac 120
tttgggttta taaaaaggc ttaaatttaa aatctaatac attctattct tgtgaatctg 180
ccttacaaaa atccatagaa acaganatac aatttatcat ttatgc 226

<210> 13584
<211> 330
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13584

cccccttaat atctgagcca tcatccacag ggatcaacag tatctgaaaa gctaaccctt 60
cngataaatg gtcctcaat cttgttcct gaaganattc attccagacc accatttcat 120
ggtagggttc cattattgga aaacccgcat gcagatattc attgaagcca tagatctaaa 180
tatttggaa gcaatagaat tatgaccaca cataccact atagtagatg taagcacaag 240
cactacaacc cataaaccta gagataagtg gacagaagaa gatangagaa naatccaata 300
cgatctcaca gccaagaaca ttatcacttc 330

<210> 13585
<211> 342
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13585

tttctntggc tcaggnattc atgttnncatc taggcctttt gagtatgtcc attttgattt 60
atggngacca tctagaggaa aaactcatgg tggaagctca tactntctca ccatcataga 120
tgatttctcc agaagaggtat gattgtatgt tttgaaaaat aagtcagaat ctttcaaaa 180
attcagagaa tggcatactc ttattggaaa tcaacttggt acaaaattaa aagtttaag 240
gactgacaat ggcttggagt ttgtttcaga gcagttcaat gagtnnlgca ggaaaaatagg 300
catcanaagg cacaaaacag tccctcacac accacaacag aa 342

<210> 13586
<211> 408
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13586

tcattagccc tgacanagag ataagaaaat aagttanaat atatcattt tactcaaaaag 60
aaaactattt ttaacccaca atgcacgggt catgtataa aaaaataaaa tgaaatgtca 120
agtttcattt ttaaccctaa cataacccaa aaaaatccat ttaatgaaat acacatcaaa 180
gggagacggt caaacatatt aatgagaaag gcatangaag tatgtgtggc acttagacac 240
cctttcctat ttttatgaaa gttgaatgct tgaaaaactg cataaacaat ctggaaact 300
tggtttgtaa tgtttatctg gttcacatat tttgatcagc ttgatgaaat gaaagctaca 360
tgtttttta aggttgattt ttcataatac aatntcatat tatttttc 408

<210> 13587
<211> 398
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13587

ttctttctt ataaattttag tagcacatga tttttcttag aacatgtttt ccaaagagtt 60
tttactctt gtaatcgat taccagtagc aaaatatttt tgaaaaagtt ttcaaatttg 120
atttacaact ttccaattaa ttccaaaaag ctgtaatcga ttacaatgtt attgtaatcg 180
attaccagtg ctttgaacg ttgaaattca aattaaaaatg tgaagagtca catcctttt 240

cataaaagct ttgtgtaatc gattacactg atttgtaat cgattaccag tgtttggc 300
tgaataaaatc anaagatgta actcttcaaa aggttttga ctntttcaaa tngttttaa 360
gtttttctaa aagttataac tcttctaaat ggtcttct 398

<210> 13588
<211> 472
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13588

ggtgactcta ggcaatttct ttcaaactag tcacttaaaa agttgtact tttgaaagaa 60
tcttcagaaa caagtcactt gaagaattat gacttttggaa aatgtatTTT tcgaaatcag 120
tcactggtaa tcgattacca ttAAAGTTA atcaattaca catcaacaga tgtgactctt 180
catTTGaat tttgaaaatt agaacGTTT gaaacactgg taatcgatta caagtactgt 240
gtaatcgatt acacaagtta AAAATGTTA aacacaagtt gtaactcttG aaatttggaaa 300
tcttaacgTT ntAAAACACT ggtaatcgat tagtacctt tgtaatcga ttaccagaga 360
gtAAAACCT ntggtaaaga aattttggaa aacttcttgt gctactcaat gttttggaaa 420
actntntttg tacttatctt gattgagtct tcccttggTT cttgaatctt ga 472

<210> 13589
<211> 327
<212> DNA
<213> Glycine max

<400> 13589

ttcttgccTC tttagaggTCC aggaaggaca aggtggccGA aggaactagt tccgcCcCaa 60
agtacgacag tcaccgCTT atgagcgttG tacaccagct gcgcttcgaa gccattaaAG 120
gatggtcatt tctccggag cgacgcgttC agctcaagga cgacgagtat actgatttcc 180
aggaagaaaa agggcgccgg cggtggcAc cactggttac tcccattggcc aagtttgatc 240
cagaaatagt ccttgagttt tatGCCAATG ctTggccaAC agaggaggc gtgcgtgaca 300
tgagatcctg ggttaggggt cagtggaa 327

<210> 13590

<211> 386
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13590

tacatgnncc caactctnnnc ttgaataggc atttgtanttt ggttggttat cttggtag 60
gtgccattct tagtacannt ttgatatatg tannttgcattt catgccatca tnnncatggtt 120
tgnntttga aaaannagtt tctanagttt agaannaat ttcttcagaa gggcagaaaa 180
ctctcttatt ttgatncat tacccaaacctt tattgttaattt gatcacaaca aagttgtctt 240
aagcttataagttt agttgagtct tgtatcggtt taatcgattt caactatctc ataatcgattt 300
acattgttgtt ttgagagaat gactgattt ttcaggagtc ttggctttaa tngattacca 360
agatcgattt cttaaggcat ctaatc 386

<210> 13591
<211> 386
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13591

tnctttatat atatataat atatataat atatagatat atatataat atatataat 60
atatataat attcctttgg cggttcaaaa tatataaaaaa atattgtgag cctcgtggac 120
gagattcttag agggtgattt gaagaagaag atcattgtca acagttgtac catttggc 180
tagaaaaatg agtttctgga ctcaccctgg tcactgaaac acactggctt tttatctctgt 240
cagacaggct tataataagt ccatgtttca ttgtcaaata gatatgacgc acatgagcac 300
atcttcacag ttgtatttac cacaaagata tcccacatga atgatgtcctt tttatataacc 360
atgattttat tacatgtgtt caagc 386

<210> 13592
<211> 433
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13592

ctttcanatg ggtaaaaggt tcacatcac tttcttctac attatatnca aacttgc 60

aataaaataat aaagtttatct cgacacanag taggtcatct aagttcata caattaatat 120
agaacctata tcctaatgtc acatcctatc agagcgtggt gttcccggt cctctagcat 180
gagggttcttc atagtcatcc acctattcat ctgctccccca gaacacaag ttcaatatca 240
tcacaggatc caaacacaaa tagcaaaccg ggagttagtt atcacatttc taactactag 300
agagaaacaa cacaacatat agtagccaaa tacaatttac ttagcatatc tcacattatt 360
tcatcactgt gccattcatc aatcacactt ttcatccatc aatcacacct ttcaatcatc 420
aatacaatac aca 433

<210> 13593
<211> 412
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13593

agctntntgt attntgtaga gttgaatatt aggctatttt tcanatggag gacaacggaa 60
cactgatggc caagaaaata accatttgct ggaaagatgt tggcactata gtttattaag 120
cagaattgttca aagaaaaag ccacaagagt ttgtatgctc tcatagttga atttggaaaat 180
aatggtctaa cagttagaac tttagaggat agtaaagaga tgtttgcatt ttgaaacatt 240
tatttctcct ttatagact acaaaaatgt acaattgatc tatcactctc ccgagtctaa 300
cgcaatcaag tctcttcgga acctaagaa ccgctactac caacttatga tcttttagata 360
taccaattat ttaaggccat atattgatat aattattttgt tgtgtaaaaa tc 412

<210> 13594
<211> 414
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13594

agctttnttc tcatatctt caacttatcc catgggtcga actcaacggc ctttactacc 60
acccacaccc ntacctaat gtggcaaacc atgcncctac cgctgcatgc caccaattaa 120
ccccatcttc ttcatgttg cactaaacca caccatccac gacgccttcc gcccgcattcg 180
tgtcaaatgg acacaccaca tggagatgcg gttcccttcc gtcacccgtc caccatcaa 240

accctaaccc tcgagccaga actcaagaaa ctaatttcaa ccacaagact acaagatatg 300
tntgaaaacc atcgaagcac tgtagatct gagatgccat taacatgcac caagcaagac 360
tacgagatgt gtttgtgtgg aagaaagatg aagatngaga aagagagaaaa gaga 414

<210> 13595
<211> 453
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13595

ngattataaa ttttgcntgc agacancttgc atactcagcc ttctcgacta atatccaccc 60
accttgctcc ttctgggtta atttttctta gaatcttctt atcccctatg gtaccagtgg 120
tcctaaattt aagaaggatt ataatttaat ttctcattat aaaatattaa ggcccttggaa 180
ccatatggcc ttaatcttct tgataattta aggaattccg gccacttatt cttagggagc 240
caattccatt aatttggaat tattcttaat ccatttcctt atttaattac catatttact 300
gggataaaga tataattcca tcaagataaa tataactttc taaatcacta atacacgatt 360
tgatatttga tatatacata catcctctct catcttacac taacactcat atgatgtgt 420
ttggggtgac tngagcatgt gtctatagac tgc 453

<210> 13596
<211> 262
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13596

ctcttacaa gtaaaaaacat tgttctactt caagaccctt tgactactca catagaacta 60
gtgggtccta taaaactatga gtttgggtgg tattactatg tctaattata gtagatgata 120
ctcaagttca tatggacttt gatntgcaaa ataaaaatga agccttgatg ctccacaaa 180
ctgccaagttt attcaaattttt aaagttcacattttt tagagtgtatg tgaagtgtat 240
tcaaatgagt gtttggaaagt tt 262

<210> 13597
<211> 319

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13597

agctacttct tctaagttac catgnagaaa agccgnnngt acatccagtt gatgttaattc 60
caagttaaaa taagcaacta atgccattat gatgcgaaag gaatcttca tggatacagg 120
agataaggtt tctttgttagt caactctatc cttcgagcg aatccttgg caccaatcat 180
gtcttggtc tctcaatgtt acctaattgaa tccttcttgg tatcgaaaat acatttacat 240
acaatacgct ttatcccatt aggacatagc actagatccc atactgtatt attccata 300
gattccatat catcttca 319

<210> 13598
<211> 345
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13598

ggcnnnccg atttactgct gagtagaanc caactaacaa aacgtgcaat ggtacggcac 60
acttttcatt tgacactcta aaacttggga gttctactgg ttagggtag agtagatgat 120
ctcatttagtg attcatggaa tggttctact atgatacaat aataaaatat actctgaggg 180
gcatgttgta ggaaatctta tgactcttt gcattattgt gttagataag gagagtggaa 240
tctatttacc atataaaaag gatgtatctg aaaatgatcc gatataaaaa gttctataact 300
ccttgctaac aaagatctat ttcaaaccat ttctactgaa ttgga 345

<210> 13599
<211> 405
<212> DNA
<213> Glycine max

<400> 13599

agcttgcatt ctgaattttagat tatggctcac acattgcatt tctgatatgc cttttagagg 60
cttgaaaagt gcgagaaaaat gagctgtgtt ttctggaaaa cgcgatgaac tcgctaagcg 120
agaatgtgc gctaagttagt ttcatcaata ctcattgtat ataagcttta tctgaagaac 180
tcgctaagct cgctgactgt gctaagcgag ttcatcctt gaggatgaac attcatcctc 240

ttgctgaact acctgtggct aagcgaggct gaatcgctaa gcccggtaa cttaccatt 300
ttttttgtg atagccacac gctaagttga gcattctgga gccaagcgca attggttgcg 360
gcatccgctg agctaagcga gcttcactcg ctaagctccc atgac 405

<210> 13600
<211> 531
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13600

agcnnaaaag cgatggaaat gaccttgca nancnacact tagacactca gccttagtca 60
accagaatnt ccccaaattg tcaaggaatg ggggtgtggaa naaccatatac ataactttct 120
gngatgggtt aataaatcca atctttccag atgagaatgc ttcaaaaacca taaaaaaacc 180
taccagatgg ccctagaaga attgttattac cttgccaggg atccaaactta accaggtatt 240
cttttactt aaagccataa gatgacaaaa gtccattgca gagcaacgag gtcacctaa 300
ggggtaatc tcaacacttc gcaagtgtga atgacgcaa tccttgagtt gcttccatcc 360
cttactttgg gttctttgat gacatttggaa gcttaactat gtcaaattta ctatatgtgt 420
tctcaaatgt aaatgggttg acagcaacat tggtgtgcac cccgatgata tangattcac 480
gttggtagac ctaaagaact tgggtaccac aatgaccctt tcatcatggc g 531

<210> 13601
<211> 395
<212> DNA
<213> Glycine max

<400> 13601

tatcttctta tccaaggctc atcttggtgg tgaagctcct tcttacatgg cttattccct 60
agtggatggc gcctcctctc acctcttctc ctttggtttc cgctgcatct ccatggtgg 120
aaatcaccat taaaggatct cattgaagct caaagatcca gcctccatag aagccccaca 180
agctaacttc catcacttat tgttagtaatt ctgactttcc gcagcctcat atacctttc 240
cattccacc tagagccatt ccagaccaat tgatggatga cgctaccgaa gatatctcg 300
agaccttcat gaaagtccag gtgaacatac ctttgctaga tgcataggc agaatgtatc 360

agcattgata ggcatatatg tatctcacat tcctg

395

<210> 13602
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13602

gcgctgtatg ctagctatca gtgattcat tngtatatct canattgtat tctangatat 60
ccttaataga atgacatgaa tntgttcct tanaaaaata tctatagcgc catgtaacta 120
atatgaaagt cacaagaggt gaagaatagt aaagagaagg taaaaaagtg gttgtggaaa 180
ctgaggctct tcatttactt ttgtaatggc caaagatggg atgtaaaagt tttgattcat 240
cgctctcgat ccaacctcct gttgcacca taattgtga acataatgat aacaatgcc 300
aacccaaaga atcactgcgt gtgtgtttg gacatacaat tgaaacaact tatcccacac 360
caaaccaaag gcgcgtgtcca tctgatcaca tgaccatgcg ccactattt aagtaccttg 420
ttattcttgt gatc 434

<210> 13603
<211> 360
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13603

atcttgcct taaaaaccta ttttagttcct atgatgttca agttattagt acttgcct 60
aattccata catcttcct ttaaaattga ttaaactcat catgccataa cataatccaa 120
actcatctt aatgcatcat caaaattaag ggtcaactna agacacaaaa ccatatgtc 180
acaaaaacaaa ctaaagagtg ctagtagtac tctcttcct ataccaatga tatgcata 240
tgattctagg ggtaccatct ttgaaagact gtgtatgggt ctttgaatt attgtcacca 300
catttatnt aggaatgttc attgagacct atatatctat caaaatcctt cttcttggg 360

<210> 13604
<211> 418
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13604

tctaaggagg tgagcttagt tatgagaggg gtgtgttat ctaagctcta tcttctcaag 60
gaagtttct caaagaagct tctcaaggaa gtttctcaa gaaagcttct caaggaagct 120
acctagtcta taaatagaag catgtgtaac acttgtaact ctgatgaatg agagtcttgt 180
gagacacaac tcanagttct acttctctcc cttnncttc cttcaatttc gtgctcccc 240
ctctctcttt ctctcccttt ttctttctt ccattgaagc atcctctcta agcttcttat 300
ccaaagctca tcttggtggt gaagctcctt ctccatggc ttattccata atggatggcg 360
cctcctctca cctctnttcc attntcttcc gctgcatctc catggtgaa aatcacca 418

<210> 13605
<211> 380
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13605

ttcttcactt ttggccttat tttattttaa agaacaatt tgattaaaaa aatcagaatg 60
gtggagggtt ctggagcata aacaagtggaa aaagagaaaac aatataaagc anagcagtga 120
atgatggttt ggtcgctaga gtacagagca cgacacaaga actagtggag caaacaagtc 180
agggagcatg acaaattcaca gaactaatga tggAACACAA cttgagaatg acaaaggctc 240
attgcactgg tttgggactc cgggcaagcg attaggact gaaataaaat gagaacagat 300
tgcangacta accagatggn gtgtcacagg tttatTTTC caaaACCCAA ctgccaattc 360
anaatcattt gttcacccctt 380

<210> 13606
<211> 312
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13606

ttaactttgc tgatgggtt gcgactacac tganatattt gaagccnga cccttcaag 60
gtacccatt gagtgcaact agtaccatgg caaagataaa gtgcggttt gggagcagac 120
ccactccttt tcaattgaag ttctgcataat ggtatcttgt gctgcattt tttgtgcctt 180

ggcatgactn taagtancta tgatcaaaaa tgattataga ctnaaaaaaaa ataaaattat 240
gataaactct ctacccggagt gaccccaacc agatatttat actccttgtt ttttatata 300
tttggtttat aa 312

<210> 13607
<211> 385
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13607

agcttgctct tgaggatgta aggatattg cagctaata cacaacttct taactattg 60
tccttcggat ttactgttt tttcttata tggaaatata aataatataa ggctatggct 120
tatggacatg gtcatttta cccctaaca tcttagaagt aagtatagac catgtttta 180
cgcgataccc ttataccatt tatatttaca tattagcaa aagaaatctg gatacaaacc 240
atcaatctc ttccactggg agcaatcagc cgatgacga accattccat cagaaatcct 300
tccatttgca tgccatgtta ggtgtttgc gtcgtcctcg ttagcaaana gacgcttaaa 360
ccttggaatg attggaagat accac 385

<210> 13608
<211> 432
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13608

tacctccaac ctanacagtg acaatggcag tgagatgtaa cttaatggca tgaaacttga 60
agctntcctc gtacctcaat cagcaatact gcaacagaag acgtactatt attattatca 120
tcaataanac atgaacaccc aaggaaactt agcatacacc aagttacgt acagtgtatg 180
tagggtttc ttcgagccac acttcgtaga acagtgtang gggttctgtg ggttcgatcg 240
aagggtttcc ggcagtattt agaacaatgt gggacaatgt gggtgtcgac ggagcggttt 300
ccggcagatn tcaggtggga ggagaaagag aagaaccgat tcaagaatga ngagaaagag 360
aagaaggagg gcaaggttt cgagcgcgcg ggttatgaaa tgtcatgttt taacttataa 420
acataacaaa at 432

<210> 13609
<211> 387
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13609

tgcttttgt tgtcatagtg tgacggggct tgaataaaaa tattggggga aggggtcaaa 60
aataagattt gaataaaaaaa aataactccta attttttat ttaataattt catttaattt 120
ttcttaacttt ttttctagtt tgaaaaaaaaaaa gaaaagaaaa aatattaaaa taatttaattt 180
atcattcaat aactttttt accaaaatca tcagcctatc atactaaaac tagacaaaaaa 240
aaattgagaa aaagttaaag aatctttagt taaagttgta ccaaaaacca aagaanaaga 300
atatatatga agaggtttga tctattcagt aaaggatagc acagganaat caaagaatct 360
attgaataat gggcaagtag agaacta 387

<210> 13610
<211> 467
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13610

ctcagcttgt atttgtntat ttaatccctg gaacatactc cattgttata atctgcattt 60
gaaacataga taatagataa ataagttcag acataaaaatg gaaaatatgt gcattactac 120
atttggcata ataagagcca tgaaggtaa acctgtggtg tggtataatc ccagtagattt 180
gttaggaacctt tcacataatc catgttctta aagttacttg caaacaattc tgcattagca 240
gcctccttgg tgtaatcaat ctccctgaaaa ttattaatcc atgttgcagt aacaggatcg 300
gagaatgtta tttgctgaga acacgtgcat acatcataacc aaaacaacag attcacaact 360
caagcagggaa ctgaaacagg aatgaccact cttatgtgtg atgatcttaa gcccatattt 420
gtattgtgta gatggtttc ttacatcaag tttcctata cataaac 467

<210> 13611
<211> 302
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <400> 13611

```

tgcttggttc taggtactta cccgttgaag atcgaagaac gatgaagaac gaatgaagaa 60
cgtcgaagaa cggttcanac ctttgcgaga ttcctcacgg anaacgttac gaaaacgttt 120
cggaagcgct tcggcttaga ttttcttcac ggaaacgaat ttccaagca aattcgaaag 180
agagagaagt gcctaagggg ctgggatcct tttccacttc acttcctccc ctattttag 240
caaaataggg gagatgcttgcgcccagct cgcccaggcg agctcagctc gcccaggcga 300
gc 302
  
```

<210> 13612
 <211> 150
 <212> DNA
 <213> Glycine max

```

<400> 13612
atatgtgcga gtgtccacat ggatgtgtgc atggatcaat tttgcataa gacctaata 60
tcattatcat atgcgtgtca tggaagagat tagggcattc ccgtataacct gagcgcactt 120
actatacaaa tttccaaca tacatgatgg 150
  
```

<210> 13613
 <211> 284
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13613

```

tagcttgcataatataat tnggggtgggc tttagagacgt gtacttcaac cttaaaagca 60
tgcttctaaa gtcttagaca aaaccgaaac ttgggtgtct ctttaaaaaa ttgatcttct 120
acccanata ataataaaata aaactattaa catgatggag agaagataat aatatgaaat 180
atgttagaaat atcatcaatc gatatcatgc tgcaaaacac agaaccacca cgtttgatt 240
ttaatatgtataaaatgtaac atatataatgc acattcaatt aact 284
  
```

<210> 13614
 <211> 260
 <212> DNA
 <213> Glycine max

```

<223>      unsure at all n locations
<400>      13614

tatnccaaat aatttcatt gagtttattg tgtcacctgt tatacgacca tctgcaaatg 60
tctagtttg caaacttacg cacaagatat cacaatcctc agtatgaggg gtgtgcgctg 120
gaatcccaca tttaacttagta ttatggccac aataatgtgt atataactgg aggcaaccca 180
tatttggggt tgagtttggc ccaaactcaa aattgtaaaa gaaattatta atgaaaatga 240
tagatagaca atcttagct 260

<210>      13615
<211>      340
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      13615

agcataacgt tttgtctctc ttcaatgtta gtatnatggc ttgcctttct tgttcccatg 60
cagatttct ccatataaat aacttgcgtt caatgtgtgt tgtctttccc atccacacgt 120
ctccattctc caacatatgt aatatcaaca attatctcct taaatatttt gaaatatctc 180
ttctaattcca ggaaaacaaa tgtgtgtata gctgttagcaa ttgtcataac tttgttgcta 240
caacaatgac ccccatgaca caaagattgt accaaaagat catagattcg tgagggtgtt 300
gtctgcattc aaatttataa catgaccagt gcatggtag 340

<210>      13616
<211>      202
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      13616

gcatcttcag tgtttctttt ggaatattat atgtaccacc accataatct gcttgcattg 60
ggacaaaatt aaaactggaa tcattcanta agtgttgcattt tattggaaatc acttttagatg 120
cgtggatctt ttatggccaa taatgatgat gatgatgatg atacatattt cctttgagat 180
aacaatcttc taaatatgct ca 202

<210>      13617

```

<211> 412
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13617

agcttatatt ctccaatgt a cagattataa agcaagttcc acatgatata tgcatgaaaa 60
 acaaagataa cagaattaa aattgggtt cctcccagga agcgcttctt taacgtcatt 120
 agctngacac atttacacta atgggtgata tcaaataaac agtgttatgt gcccttcanc 180
 attcttacc atggtaaat tttaacotct agccattac tacccatgtt ctgtcaggat 240
 tctgagattg tgggtcatat agctctattg caccataaga atcaaatttc ttgataacaa 300
 agggtccaga ccatntggac ttcaacttac caagaaataa tttcaatctt gaattaaaat 360
 gtagtacctg ttgtcccggn ttgaagtctt tcttcaacaa atttttgtca tg 412

<210> 13618
 <211> 403
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13618

aggggtggcg gaannnagt gatgctgtac atcgagacct gacnagcacc gngatcttt 60
 aagcacctga ggcatgcagc tggatgtttt gttcaagttt caaacactag agntcattag 120
 actccacgaa taagtgccta gcgctgtcag ttatattgac gaaagaactt gacgatttag 180
 taaaccttagt ctgcaagtac aagttcattt atcaactatt gtgaccattc ttgagtata 240
 aaacctttgt caacattatg gttggaagcc agatgggtcg gacaagatct tggcttatct 300
 caggaagata aagcatgcca atggctaaag actcttgacc aagtggctaa gatcttgc 360
 atcaaactgt aatgaccctc agtttgagaa ctggcgaccc aat 403

<210> 13619
 <211> 357
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 13619

agggAACGGT ggaatatagc tcagctctga cnctgaanta ccncncanac cnnncggagg 60

ggaaggaggt ttaaatttta cnncccaag ggggggggga tggagagaac acccccaacc 120
ccgaagaaca ccacgacggc agaccaacgc catccggcg gacaccggag tactcggagg 180
gacctaaaaa caacaactta gagaataatc aagatgaaca gaagggccga agcgcgtgga 240
gcgtaaaaaaaa ggagaggtac gcgcggaaag aagcgagcag cgaccgaagc gcaacgagca 300
caaaagaagg gcgacagggg aagaggcata gcacgaacca aaaagccggc ggccggag 357

<210> 13620
<211> 411
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13620

agcggatgtt tcttgtttat gttnncttac naanngnngg gatttgagta ttgtattat 60
tnctttata ataaactcat ccctcgcaat ttttgtaccg tgtggttggt acctgtgatg 120
atcgcgaact cttgttcatg ggagcagaat gacagcagta gagtatgata tgtgagattc 180
ttttgtggag ccaccgagcc gacatgatga cgttgagatt atttatgag agagttgtgt 240
tttgtaatc aactcctcca tagctagttc cataattctt ttgttgaatc gaggatgtan 300
atcacaattc taattatatg tatgaacana tttattctcc attatgtgaa tgatgtgtac 360
tgagttacta tacctatata tatatatata gtaaattact t 411

<210> 13621
<211> 404
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13621

agagaccatc acaagcacat agcagggtct taaaatttgg ttagctgctn gctcaaggtc 60
caaaagaaac ttgtctcagc gtttatgcga gacagagacc aacatgttag ccatcgtag 120
caagtaccaa gaagagctaa atctagccac ggcccacgag cataaagtgg cgggcgagta 180
tgccccagtg tacgcataaa aggaggctag aggaagggtga tcgactcatt acatctagag 240
gcaacaatgt ggatggaccg atttgctctt actttgaacg agagtcaaga acttgcctga 300
tttctagcca aggccaaagc aatggcggac acctactctg tccccatga gatccgcgga 360

cttctaagct attggcaccā tatgatagac ttaatggccc atat

404

<210> 13622
<211> 330
<212> DNA
<213> Glycine max

<400> 13622

tgtgctagct gctctcacca ctatatttct aagcaactcc ttcttcaata tttctatgag 60
ggacttagca acatggagag gagtatgatt gatgctgcc aatggtgaggc acttgggtgat 120
atgacgcctg ctgaggctac gaatctgatt gagaatatgg cttccaactc ccaacaattc 180
agtgcacgaa atagtgctat tgatcttaga ggagtccatg aaatggccac agattgatct 240
tcatctactg aaaataaaaaa gcttgaatga taacttgatg cttggtaact 300
cagcgtgcc a tgaatcagaa atctacacct 330

<210> 13623
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13623

ttctngactt tcaacccttc taaaagtccc cattgctcat caatttcttgc ttgtgtgcta 60
gtgataacaa gttcagcagc atctagggaa agctttctg cttctattct cctcattatc 120
ttatatgtt aattgatatac ctccttcgat tgacgcccctt gcttaagaag ctgttctagc 180
ttgtttcttc caagtgaatg accagtgagc accattggca cattcaaggc acctgaaaga 240
agagcagcac tatctccagc atcagcataa tgtccatgaa taacgtgtgg ccacactgg 300
ttccccccgc taacttgttc acccaatact tatgacatata ngagaatgtg agctaaagcc 360
ccatctacaa attcttgaat atggggccaa agaagttctt tctgttagata 410

<210> 13624
<211> 354
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13624

ttcttgcttt ctagctgcc caggcgagct aggttgcctc ctccagaagg cggtgtcttc 60
tggagaacct cctagaaggc ccaagtggc ctgggtgcta tttgcacccc ctgtttacta 120
aatacacccc ttgccttat ttgttgcatt ttttccgta acattacgaa actntacgaa 180
tttcgttaacg atacttgcatt tctttccgta atgttacgaa accttacgga ttacgcaatc 240
atcccttctt tggcttccag aatgtcacag aactttacga attgtgcatt tacacttcct 300
cttgactttc gacatgtcac gaaaattcac ggggtgtgca accatgcatt cttt 354

<210> 13625
<211> 447
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13625

acacaagaca ctcagctgaa gtgtgtccac accattgtca tagaattttt ggtatgtgtt 60
actatatggg gatcatttct ttccccgtca ttggagtgcc acttgagctc caggtctctc 120
ctctttggc gtattctta aagattcgtg cccctttnc acatgctctg tagttgcattc 180
ctatccagaa ccatatcaaa attgtactga tactgcctaa cgaaagcaac cattaggtcc 240
ttccaagatt ggactcggga aggctgccag ttagtgtacc aagtagcagc tactctcagt 300
agactttctt ggaagaagtg tatcaacagt tcctcatctt ttgcgtatgc ccctatctgt 360
caacaacaca tcttttagatg gttcttgggg caagtagtcc cttgtactt gtcaaagtcc 420
ggcaccttga actcggaaat gaccatg 447

<210> 13626
<211> 399
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13626

ggcgtgcttt cttctctttt tcccttttc caancgcgtc agcagcggtt tagctcctgg 60
aatgtacatc tctgttaagct tcttcagata cccattgtc ccgtatgaaa tcattcgtta 120
cttacatttc ttacttggag aaagtgtatcc aaggcaagaa actgcataact tttttgcagt 180
gttcttgggg cttggatcaa gcaactggac catattggc acactttat cattcttctt 240

aacctctctc cgattctggg acagaaccat tacgcttcaa ttcgctttag cagcgaccc 300
tcttagcatta ttgtgttat ccttaaggcat ctatataata taagggatgc caccggctac 360
accaactatc ttttcatct ccattgagct gcaaacact 399

<210> 13627
<211> 209
<212> DNA
<213> Glycine max

<400> 13627
tagcagcaca tttaatacat tctttatgg gttttttaa cagctttatt tgacacttgt 60
taagactcat aacatgcatt gtgcgagttt cacttcttc ttaagttatt aagtgtacca 120
ctcattgttt ttctgaattc atggcaatg tctaccaata aaaaaaaatg ttatgaaaag 180
aatttgggt aaaatttgg aggaatctc 209

<210> 13628
<211> 411
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13628
tttctntact gtanatntt ttaatgaccc actaaccttag aattaaaata acttaatgcc 60
attaacctan ggaattaaaa caaacttaat ggctgagtgt aactgaaatt gttggcaacc 120
aaaagtcacc cccaacagcc aacaagtcag ccaccatttg gtctccaaa aggctgatgc 180
ctaagttgcc aattgggcc ttattacaac ttgaactaaa gcccttttag ttgattaacc 240
caaaacatat tttggtcag ccaacttac aaggattng ccattattta tacaaactaa 300
acactctaac attgaaataa agtgggtgtca tttagtcctc catggngcc atgatacac 360
tcacaacacctt ggactttct tcttggaaact tgggcttgtt ttcaaaataat a 411

<210> 13629
<211> 428
<212> DNA
<213> Glycine max

<400> 13629

caattcaa at ggtcataacg tttcactctg atgtcttatt ctagcgata atatatcgag 60
acgctcgaaa ttgaacaatg gaagctcttg agcaattcca atggtcataa cttaactc 120
ggaggccga ttcaaggcgca taatatgtcg agacggtcga aatagaacaa tgctagctct 180
tgagcaattc aaattgtcat aactgttcac tcggaggtca gattcacgca cataatatat 240
cgagacgctc gaaattgaac aatggaagct cttgagcaat tcggatggtc ataactat 300
cactcgacg tgcgattaag gcgcataata tatcgacg ctcgaaattg aacaatggat 360
gctcttgaac aatacagatg gtcctaactt ttcactcgga tgtaccgttc acgcacataa 420
tagatcgat 428

<210> 13630
<211> 293
<212> DNA
<213> Glycine max

<400> 13630
tgccgttccat acatggccaa atttcccacc aactacacaa tgtcattact cagcaaataat 60
ctacccttct tattaccacc accctatcac catgaacaccc caatcatcca caaagggaca 120
ccctaaagta gccataatgc cggtcgccaa catccaatgc caacaccacc cttataaaac 180
caaaggacca ccaaggaagc attgtctagc agagaaccta taaattcacc tcaattcggt 240
gtcggttccata acttactgca tatctactcg ataatgcatt gtaccataacc cta 293

<210> 13631
<211> 159
<212> DNA
<213> Glycine max

<400> 13631
ccatgttatcc aaagccccgtt ctaaaggata caactcctta tcataagttg aatagttcag 60
ggtaagacca cttaactttt cactaaaata agcaattgga tggccttctt gcatcaacac 120
agccccaaatc ccaacatttg aagcatcaca cttaatttc 159

<210> 13632
<211> 381
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13632

tctgcatgct agcttattct aaggacatat gcaattactg taaagagtgcg ggtcattgga 60
agtgagactg tccaaagaaaa gcaaagaaaattatgttagt tgctcttgaa taaaatgact 120
cctcatcgaa aagcgatttg gtttggttg ttggtaaca actacaacaa cattttgaac 180
aatgagtaact ggactcangt tgttcttatac atgtgtccac acagacaatt atttgtgaca 240
tatgagaaga aattgatgga atgtcctcat cctctttttt gnggggtggc gctaagcgcc 300
acatggcagc ttaatgcctc aactatTTT ttgctttgct ttgctaacat tatncttact 360
aatcatgttc ttgttatctt a 381

<210> 13633
<211> 385
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13633

tggaagtgac ttanagcana naagaaggaa tctgctattc gttgacagat tggatgcaga 60
accggattgt ttcgggtgta gaaattttagt aaaaagctcc aattntgcag gagaaggttg 120
aatgtttagt gtggTTTGT cacgggTTT ttaatcatgt ggcgagcttggagatgctg 180
gtagattgta gaatgtactg aaatgtggct acggacaaaa attatcagaa cagaacacaa 240
cagtcttgggttttta atttattcat gtagagaagt tttattatgg gagtagaatt 300
gatgctgttg gattgggtgta aggagctgtc tcgttaaatg gcaggacttt gttatggtt 360
gaagcatatg gtagtatcta aagta 385

<210> 13634
<211> 402
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13634

atgcaagctc gtttatttga ttaaatatTTT ctctttatg gtaaacatta taaaaatttt 60
caatatacgt aatacgttaa atatatacgta taaacccaaag agtcacccta attccatgaa 120
cacatacAAA tgcaagatag tggacctaga tgatttatca aaggggtata tttagaagcat 180

gtgtaagtaa ctatgtacaa gaaattttct taaaatgcaa aacatgtatc atagtaagat 240
gatgtatcaa agcataatat gtatattaga gcaaaaagat tgacatgaat gaaaatgcat 300
canatgtata aaccaattat aacaagaacc aatttttcc atactattnt tttgtcatca 360
aactaaaaagg aacgagtntc atcattgtta aaataaaacaa aa 402

<210> 13635
<211> 508
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13635

aggccaanna agcggctttt ggtgaggcta tnactacgta cacctgagca attacccggn 60
gatcctctag attctatcta gacgcattca agccatacta tcattgcttac tccacaagct 120
gactcgnggc ttcttgaga agctgtctca agaagcttct ttgagaagat agatccttat 180
ctattcacac ccctctatta actaaattaa cctccttaaa aataattacg gatgaaaata 240
acgcaacaaa taatcaaaca tcaaacataa ttactaataa tatatatata tatatatata 300
tatatatata tatatatata tatatatata tatatatatac agggtgttac 360
agtaattgaa ggcattgtat ttggccacac aatctttgtt cgtggcacac agttgacac 420
agccaatctg gaagtcatct aaaaatcgcc tccaccaaca caatgtcaaa ggcattataa 480
gctctcaaga cataatgtgt tatatacn 508

<210> 13636
<211> 353
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13636

tcagacctga acagtaacag tctcatagta agctttagaa aatatattca atctattgaa 60
caaaatccac tgatttgaat ggctaagtaa aataagtcta atagtaattg gttntactac 120
tggagaaaag gtttatgaan aatcnaaccc ttggacttga ttcaatccag tggcaactag 180
aggaagctta tacttattta ttggaaccat ttcattttt tcattctaaa tacccactgg 240
ccttccaatt agatgaaaga ggtacttagtt tccaagtatg attcttcatc aatgcttcac 300

aatctagtgg catagatgaa caaccagttg gataagtaag gcatgttca cat 353

<210> 13637
<211> 496
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13637

agggnacnn cccgcgaggg ggtgaagcat gacgttcgat agcaanaccn ctcaagctga 60
ggatatgacg gacccatcac atgtgaaact aggagggtgt cggttaatgt tgcacaccag 120
gtttcaaca tccacaatgc gcgcataaac caacaatccc ttgtggccaa cttcaatcg 180
agctaacgta ttccaacggt gccaatatcc tggttnttct caccaccggg tccccatcaa 240
tctctccaag ctccacaaa ttccattcaa aacaccattt aaccagaaca agctatcaca 300
gccaagcaaa acaggcddd gggcaaaaac tctgctcaca caccacccaa atcacagctt 360
tcttactcaa gaccaagac attccttga tccattcgta acattgatca ctcaaattta 420
ctgcagtcat atgcttaacc tcatgtgacc gtggattact acaacatcag actatggac 480
tactttcaca gcacccg 496

<210> 13638
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13638

agcttgacat ctaaatgtta gtggcaactac ttacctctcc aacccagata atatgcatta 60
acaataactaa cataaagatc aattgccaga gtcactataa taacgctccc ctggcttttt 120
tttacacccca tattattgtt ttgaatttga ctctgttgt tatthaagag ggttgggcgt 180
tggaaatgtct cccttgcaga ttgcaaccaa tgaattaacc aataatttatt cgaaacaaat 240
aaattnaatg accccatctg aaccaaataat atctcaagtt agatnttatt tcctccaatt 300
cttatttattt gactnttttg gatgaaatgt ttatattata tatncgattt tataacttaca 360
taaagatcaa tngcccgagt cactataaca acgctccctt actttttgtt ggcacc 416

<210> 13639
<211> 477
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13639

ngtagtgctg gaactatcca ccatcgaaac ataatcaga agtgattcac tagttcaata 60
ngtatgcaac atgtaaaatt ggagttgact ganaattntg gagtcacagt ttcaaaggta 120
agaaaactnta atcactccat agcttcttn tctatTTTg acgtcaagga tgctggaata 180
ttattgaaga taaaaggaat ttacatcatt agcaatattt ggtccaaattg atcagggacc 240
ttatcaatcc agcatctatc taataaagaa naagccaaat tggctaaaca atggcagct 300
ttatTCCTT gcctcttatac aaaattaagt ttctgacttc ctgccactgn gtccagtctt 360
cttgcTcct ccaccagacc atgaaagaga gagcgacctc ctttgtctga tctgttccac 420
tcattgtaca actgcatgca atctgtctca tattctgctc canagatgca caattcg 477

<210> 13640
<211> 251
<212> DNA
<213> Glycine max

<400> 13640

attatatatt caggaattta tgaaggagtg tacaaagatg ccccattta cacaaatcta 60
tataatcatc ctattactt gagttactta aactcccctt aaccagttt atatTTATT 120
gaagtggtag gattcatgca ttGCCACCCC atcatgtcat aaacaccttg catatactca 180
tttattcaca gatatgctaa gtatttgact tttgattgcc cacactttac tgaccattga 240
ctttgatcat t 251

<210> 13641
<211> 299
<212> DNA
<213> Glycine max

<400> 13641

ataatctaac gagccgctcg accgtgatca atagatactc tcgagcaata tggatgcatt 60
ctctgggtgt catgtgctgg tatcaaagga gtccgattaa gataggactg tggtagtat 120

cattggatca gatggtatgt tctgactata tatttagatt actttagtgt gttgattgtc 180
tatcatactt tacataatgc gttgtgacat gcaatattga gattgatcac ctcaatactg 240
tgggcattgt aactatgaat gatggcagat agcaatcgat gcctatagca gctgtccct 299

<210> 13642
<211> 368
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 13642

ctcttgcatt gctttaccc agttcttac tttcatagca tcatcaatat gcttgggttc 60
cactttgaa atgagagttg tgtaaccttg tttctgaga gatcctttg tttggacctt 120
ggttggggg ttgagggatc tctaattgatt tgacactctg gatggttctt ccttagaatt 180
aatcttagttg gttcttttc ttcttgaggt tttctgtta cttgatttgc cacgtctgtt 240
tctggatatt gntctatcag tggccaatg cttcgtcca gtcttatatc tataaaaagat 300
tcatcaagct gtggccatta tgtatcntac tntgtgtcat taaatcttac atgaatagct 360
tattccac 368

<210> 13643
<211> 397
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 13643

atgctgtcgc agacttgcca ggtgattatt ttgttttgtt ccacacatn ttcaatgaga 60
agtgtatcg gaggtgaatt tcaaaatgag tctttgana acttttgtga agaaaaatgga 120
attcaccata attttcaacc ccaagaacac ctcaatagaa tggcattatg gagaggaaaa 180
atagatccct tgaagaaagt gcaagaaccc ttctaaacga aaccaggttg cctaaatgtact 240
tttggcaga ttttttgcacat actgtttgtt acaccttgaa aaaagtactt attagaccta 300
ttctgaagaa gactccttat gaattgtata aaggaagaga accaaacact ttacacctga 360
gagttttgg ttgttaagtgt ttcgtttaa caatgg 397

<210> 13644

<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13644

atcttaatgt atgcccgcgt cattcatccc tatgagatgt tggcgatca 60
gaattgccat tccttggatt atagggttga accaagctca tgctttaca aaaagggttca 120
tcaagtcaag ttgaaatatg gaagtaaccg tcttgcaaaa ttgnggcaaa agatgaatcg 180
agtcacatca ctgcttcgtc tactgccaaa catattnagg attgtttagt tccttggttac 240
ttccagtttc accttgacaa agatgtcatg gaccatgttgg aaaatctaaa ttgattcaac 300
cccatatcct gcgtaaaaat tcgcaatctt caactgtaca tcattcgcat acatccatgc 360
tttcattgg ttgcattgct cattgcattc tttcattgaa aaataaaaata 410

<210> 13645
<211> 467
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13645

tccacaacat ccaagcaaaa caatattcaa acagttcaag ctatcacaac caagcaaaaac 60
agagcaaagg caganaactc tgccaaaaca ccaaccaaat cacagctttt ctcacttaaa 120
gaccggacta acaattcattt cgatccaatt cgtaaccgt tggatcgact ccaaaatttt 180
actggaaagtc tgttagtacat aatcctacat tgtgaccgtt gggatctact agcaaacatc 240
cagaacccat tttacattac tctttccaca accagcaaat acatagcatt tttctgcact 300
tgtgcaaat cctgctgcac aatttcacag caaaaatctg cacaaggatgc agatttcgaa 360
natcacactt cctctcatcc aatcttgctc anatcaatcc ctacaaggatcc caaatcatgt 420
atcaatcatg tctaaccan aatcaagctn tacagcacag caacata 467

<210> 13646
<211> 343
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13646

ttcttgct ctcaggtgac gggctagtag ttagctctta tcacttcttg cgccacccccc 60
tgatattgga gggcgaccaa ctgtgcaagt acaaccagag gaggaggcac gtctccagct 120
tcgacgagga ggctatcgca tagctactat gcataccaag gcaagattc tctcagaccg 180
ctgcgatgag acgagtacgg atctgcatac caccacaact ctgatctcct cctgccgaac 240
agttaactgg tttatgccat catgacatat gtaagtatgc acgtggctca atggatntct 300
aatgtcatat attgtttgca nggattgcac ccacaagaca ctc 343

<210> 13647
<211> 371
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13647

acacatagaa actcaagctt ctcttgacc ttgagcaago agctaactcc tcttttaaga 60
ctatgctatg tgctcngat tggctctct ctcctgatg tgccatcatt ntcttctatt 120
ttctaaaccc tttttgcac catttaatc attgattgat cttaatgtc aattaattag 180
gtagtttat tatttggct cattagcta attgatgtt ttaatctaa tttcaggaat 240
taatgaaaca ttgagcttaa tccggatttt ggttgtggac ttgaagaggg caaataaagc 300
agcgcttacc ttagttaatt tctaattaag aaatttcgca attntatttt atgttgtca 360
gtgtttattt c 371

<210> 13648
<211> 406
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13648

ttctnttggat cttttttttt atcgctggta atcgattaca ggaaaactggg aatcgattac 60
cagagagtaa atactctggt aacttataaa attttgagaa aactcttttg ttaaaaaaaaaa 120
ctgtgctatg tttgggtttt gaaaaaactt ttcaataactt cccttgtaa gtcttcttga 180
tttcttctct tgaatcttga attcatcttc tctagaatct ttgaaatcaa cttctttga 240
atcttgaatc ttcttgattt cttctaatga atcttggaaat taaccttgat cttgaacttg 300

Glycine max

ttgactcaat cttgaaatca ttctatttgg ctttctgtca tcataaacc tacttgatat 360
gtacttgaat caccatcatg atacttgctt atacacttac tgactc 406

<210> 13649
<211> 450
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13649

actaagctgc acctagtctc actaggctcg catgcttca tttgtctgat taagtttagac 60
cacagaacag ggtttcggc ttatcacatt atattacttg atgtccagga agatgcttaa 120
tgcttgnacc aagtaaaaga atataggaga atttgccctgg cacggagact caacgtgata 180
ttatttttt cttgcataa tcataatacac atttttttt tataaaaactt gtactatttg 240
ttctctctttt atcacattag ttaatcattg tatctctgca tttttcttc ttatcttct 300
atctgacata aaaaaattat agaaatataa tctctttct ttcctcattn ttagacaagc 360
cattctacca ttttcataac acacattcaa atgttcattc attgctgata gtattacgct 420
aaacacacac gatcaaatgt taattaaaac 450

<210> 13650
<211> 386
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13650

ttctngaatc ttttatacat gattgaacat gatttggac ttgttaggatt tgatttggc 60
aagattggat gaaggaaatg gtggtttcg aaatctgcatt tntgtcaga tttttgctgt 120
gaaattgtgc agcaggattt tgcacaagtg cagaaaaata ctatgcattt gctggttgt 180
gaaagagcag tgcagaatga gttctggatg tttgcttagta gatccaacg gtcaaaatgt 240
aggcttatgt actagagact tccagtaaaa atttggagtc gatccaacgg ttaacgaatt 300
ggaacgaagg aattgttact ggggtttta agtgagaaaa gctgtgattt tggttgggt 360
tttggcagag ttttctgcct ttgctc 386

<210> 13651
 <211> 453
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13651

tcttgactca ccataaacct tgatccangg tttagaatgtc aatccttacc ctcagaacca 60
 aaaaaagaag agaaggaaaaa tttccaatca aaggaaaaag gagaaggaaa atttccaatc 120
 aaagaggaag caaaaaaagg aaagaaggaa aatttccaat caaaggaaaa agagagggaaa 180
 ggaaattccc aatcaaagag tgggagaaag caaaaagaaaa agaaagaaaa ttcccaatca 240
 aagaatggga gaaaagaaaa aagagaagga gaagaaagan agaaagctca tgatcaagga 300
 tcgaaagaaaa acaaaagaaaa tgtgcagaga ggtctntgga ccagacaata tctgaacaat 360
 acggaattgt caccaaatga acaaaagaaaa gaaaaggaaaa ccataaccta naagtggtct 420
 ttcctttt ataccaacca aaatctgtgt gtc 453

<210> 13652
 <211> 383
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 13652

tatgcttata tattaaaggt tggaaatgaa tggatataaa tcaggatctg ctctccttgt 60
 aaatgctgag ggtgattcta ttggtggnana gttgtgacgg tggaaattgggt attaggttga 120
 agatctctcc gcgccgaacc gcaattggag aaagcgcaag cagagctcan gtgacggaa 180
 aacccttcat gtngngttgca tttgcgttt gatacctttt tttactgcca tccattccat 240
 tctattcata aagataacta gccatgtcat atcaagagga gatgatgtcg tggaaaaagaa 300
 gngagagcct tgattcttga naagtatgaa agtttgatct ttgcattcat atctcacata 360
 cttgatgtaa tgatggcacc tgt 383

<210> 13653
 <211> 428
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations

<400> 13653
gacactataa aaactcaagc ttcttgagat gcccttgggt aatatcgcta taggattgg 60
tatattccac aatctcatta gagacatcaa cattgaagta gtcaatgaat ctggaggcaa 120
gcacaacata cagaaattca taatccacca agcgatgact nttcatcata atgtcttcaa 180
tcagtagtac ctatccatc ttgatacctg gttcagatc ataaaactatt tgtaaatcat 240
catccgttac ctgagcatga tttcttgacc tcgatgtgag aatgtangta attaggtaaa 300
ctaacatctt gtcctctaag tcattccacc aactgctaag cgattcctta agttcgtagc 360
atggtcaaga agcattcccc tataggtcta catcttattt tacccatcaa gcatttcatc 420
gaacttgc 428

<210> 13654
<211> 355
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13654
agcttattat tgattaaaac gtaccataca agagattcat atataaaatt attntattta 60
ataggtgata tgaagaattt cttanatatc atcaataatc aattatataa aaattaaaaat 120
gaagctcacg agaatagtagt gaaatcctaa aagcatgtat tcttatacaa aatattntat 180
tttatataac anatntataa taaatacata tttttaatg tataaatttt attataat 240
aaatttataa tacaaaatat ttttaatata ataaattata ttttagagtt ttgatangtt 300
aaaacaattt gaaatttgaa ataactataa aatggacctt aaaattcaaa ttaaa 355

<210> 13655
<211> 440
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13655
tcaacgtggtaaggcttgtt aatttatcca cttttagtta attttatttta gaatattat 60
cacacatctt tattttaaaaa gaactaaaaa aagggttggaa gcaatttgtt ggcccaaaat 120
aacaatatac aagtataggt attaaactct tatgagaaaaaaaattttagt cactgattga 180

tatttacagt ataataagtt ttataacaatc attcaattac aatcaatcat gtataataga 240
ttnttgatt tttaaaataa ttataaagta attcaaacga taattntgtg tttaactaat 300
aatataaaaat tgtttacat tatcaatgta taggtattaa agtctaaaag ataaaataaa 360
gattgaatat gtgcacatctg agaaataatg agttttaat aattatggtt attttgactg 420
cataattatg aattactata 440

<210> 13656
<211> 414
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13656

agcttcttgt atcacttcca attccttacc tttgtactcc ttgagcttgt caattaacaa 60
tttacggctg cttcaatct caaccaaggc aatntctt tcgtaccgtt gttgttgg 120
cagaacctgt aatttgcaca taatacatat gattccaaa ttattatctt attcacattn 180
ttattatccc ctccctggcaa agcataaaaaa taaatcagaa aaactntcaa aatcatctt 240
caaggactaa tacaagctca atgctactat cctcatagtt ctaagaaaaca aaatcatattt 300
ctttagtgg tacaaaagtag ccaagagtgt gaaaccaatg aatcanattt cagttcacat 360
tgtggatntg cttagatcaag aatgangaaa ccattcattt agaatgtaaa tgta 414

<210> 13657
<211> 201
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13657

gcatcatgac tctgttcana tttttttgtc atagaaaacta ccctttgct catcgatata 60
gggttcatac atatgactct ccaaactccc acaagagtga gagccttgc cactngcca 120
ttatttacaa tagaagtgc aagatntgag tagggaccag ggctttctag tangaaaatt 180
gaatccctat gcatcatatt c 201

<210> 13658
<211> 236
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13658

ctactatgan aagctgatan gatacatgcc agctaacttt gcggatctcg tcttcgcgg 60
agaaaagaatt gaatccggac taagaaaagg caagttcgaa tatgcctcca acgtggcccc 120
caacaacaat agaagagccc cagtggtgg cgcgaggaat aatgaaggag ataccacgc 180
agtcaccacc acctaacaat ggatgaaagc atcccaaata atccaaagct catacc 236

<210> 13659

<211> 432

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13659

ggatccttag agcacctgcg gcatgcaagc tattttatga ctttcggnna tcatgcacag 60
ccgggcagga gttgactcac aataggccaa tcatatctat ggagcattnt ctttgagcaa 120
gtagcctggc ctgaagctca acttccattt gtgagacncc aacgaggtt cttcgcgctg 180
agnccacact tgtgcangtc aattcagagc cagctgaccc acaatctcca ttatgtaaatc 240
cacttcttc acctatgctt gaagcagttc tgccatctcc tcctctaatt gtaattctg 300
acgcatcatc agatgatgca gttgcccctc ctgattcacc aattgcaaaa atagctgacc 360
cctctgtttc ctaattggag gaattgctta tctctctaatt tatcatctag agaagctgtt 420
gctctcaccg at 432

<210> 13660

<211> 350

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13660

aaggacgtga ctcttcgaag ggattggac ttttccaaat cggctttaag tgcttctaaa 60
agtcatcaact cttctaaatg gttctttga ttttgattat tgtttctgc ctaaaataac 120
ctctggtaat cgattaccat aatagtgtaa tcgattacaa gcagttatct ctggcaatgt 180
tgatctctgg taatcgatta ccatatttgt gtaatcaatt acaacgcgtc cctgcaccta 240

tatattcaga tttcanattc tgaaacctgc aactcttctc tctctcgaga accctcgccc 300
ccaaattgtc ttccagccat actcactcaa tcttgtccan atcactcccc 350

<210> 13661
<211> 327
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13661

gagatgcagc ggaagacaaa ggagaatatg tgagaggagg agccatccac taaaataaa 60
gccatggaag aaggagcttc accaccaaga tgagtcttgg ataacaagct tggagaggat 120
gcttcaatgg acgataagaa agatggagag aaagagagag gggggagcac gaatgacgaa 180
caatgcagag aagttgaact ttgagttgcg tctcacaaca ctctcattct tcnaagttac 240
aacaagtgtt acacatgctt ctatttatag actatgttagc ttcccttgaga agctgtcttg 300
agaaaaacttc cttgagaaga atctttg 327

<210> 13662
<211> 312
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13662

tatcctatgt gtcgaatggg ttttttaagc ttttaaaaga ttcctttaaa atatcaaaac 60
caaaaaaagg gggtcgttaa ggtgtgaacc tttgaccaat ctcaatgact ttgaataaaa 120
aaaattccag tatgggtga atttacctg ggtttggta ataaccctca atctctttaa 180
agacaacctt acagcactta tgattggta agttaaaaat tacaaaaaca atgagataac 240
gatgataaaa gaggagatga tatgcacaaa caacaggggg cccctaaggt gcatanatac 300
attcaatctt aa 312

<210> 13663
<211> 323
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 13663
actaagctt aggattggc ttgccaggaa ggatcatgtg ggtcttaaa ggcaaattt 60
tcatccgtc tggacgaatg agaaaactgn ggcaaataa gagggtgaga aagagggaga 120
aacccatgct gtgactgcca ttcctatacg gccaaatttc ccaccaaccc aacaatgtca 180
ttactcagcc aataacaaac ctcctccta cccaccgccc agttatccac aaaggccatc 240
cctaaatcaa ccacaaagcc tgtccaccgc acttccatg acgaagacca ccttagcac, 300
323
aaaccaaaaa acaccaacaa aaa

<210> 13664
<211> 498
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13664
aggtcaaaac cgcaanaagc tgatccatt tcctgatnac tcgananncn atnnngnaca 60
tnngnacncn nnnnacccgg acgcgcaggg acgctatcag cgtgttttc agcttcagg 120
acccacgcga caaggagaca cncgtatgc aatgaatacc acgactttgt tgcaggttgt 180
gtncattcac gtgtttacca ctaaattaa cattctatgt atcaggattt tgtcacacac 240
taagttctgg atactaactc ttccttccat cgtggacgaa aacagaaatc tcattggaca 300
atgccaacgg tattcctttt caacaagcag tctatgactt attccctgta ctctgttact 360
aaaattctta tccttaacat gttattccat aacatgagtg agatggtgca aggtatttaa 420
taaaaaatg gcacgtttgt cctgatcata gaactctata tggtttgctg atttcacgat 480
498
ccggcatgc tgatgttc

<210> 13665
<211> 362
<212> DNA
<213> Glycine max
<400> 13665
tgcttcgttc gtagatccct catgtaaagac taggcctaaa ctaaacagca ttattgtaac 60
aacataatta aaaccaaaaac ttaactcgta gatcccttat gtaagactaa gtttcgatcc 120
cgcttcaatt aagttctaaag gcaacagtac atttcccaat gctaattgtca ccttaactgtg 180

cacacaaaatg ggtgatcaga ccaaaggcat acaaacatca accattgaac aaaaaaaaca 240
gaatcaatta gatattaagt atttacatca gttgttcatt agaaatcccc aactagggtg 300
tttagcgagc cattacagaa gaaatcctaa caataataag cttacaaacc caaggtatct 360
362
ct

<210> 13666
<211> 458
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13666

actcaacttc gtangtaaat caagtgcattt catgtccatt ttattcttc tcacggngtg 60
gagggtgcgc catgttctca gaatattcaa aatcagaatg ttcaaaatta taatgctcaa 120
aaggtaactaa atgatgtcta aataatctat gaaatgtcct atctatctca ngatcaaagg 180
attgttaagtc ggatggattt cgtctagtca tacactaaat tcagcatgca caattagttg 240
ccttcttatg caagtaatag tataggttt aactacaact accattaaat gttgtccaaa 300
tgactagaaa ttntgtgagc aaccttataa aatgatgaga agatagcaca taaaattca 360
aacaaaaatt caaagtctaa atatagaatc taaaattggt aagttaagaa aaataagaga 420
ataaaaacttg gataataaca acatntgac agaatcac 458

<210> 13667
<211> 389
<212> DNA
<213> Glycine max

<400> 13667

tttctttgtc tttctaactt gtttgaagg tttggtaaaa cttaaaagtt tttttttat 60
ggataaatgc ttacgagtct acttacatga tctagttgat ttgaaggctt aataataatg 120
agatcatgat ttttatttt tctaaatatt cattatagac ttaattttatg gtgtcatctt 180
taacttacca tcacttatga ctatcaccca aaaaattata accaagatta tattacatat 240
tactttcat caaatcatgt ttgacttgaa taagcctcac ttgttaaaaa aatctaaaat 300
caaagaccat caagtattta tcataatattt cacttgtag gcttgactta atcattctta 360

gcttatatacg ttatgtatgt caaactact

<210> 13668

<211> 426

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13668

aatgaactct ctgtcttggtt gcccggttta tattttgatt gnnatgcata aaatataagg 60
 atattgtatt gcgggttaat tctcaatgaa tgtctggttt gtcattggag atgccaattt 120
 tcagtttatt ctaattctt gatgaaatca ttaagactgt tctaattctt ctgccaggtt 180
 ctccttgct atcttcgaat atgctgaatg accaagatca gttaaggag ttggaaaatg 240
 cagttgtcan agaaaactgaa gctaaaatga actacagaaa aaggtagtt gttgagcata 300
 caaatgataa cagatagttt ggaaggacct gaaccaggaa tttgtctcca taatataattt 360
 tgtaaatcct gagctggcgg aattgtatc tactgtttat aactcttatt ctgttccttg 420
 ttaaaaa 426

<210> 13669

<211> 403

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13669

ttgcttcatc taangaagag aataagagag agaggggggt gcgggaattt aaggagatta 60
 tggagagaag ttgaactttt aagtgtgtct cacaagtttc tcattcatca aagttatgca 120
 agtgttacac atgtttttat ttatagccta gcatatggga agcttccttg agaagcaagg 180
 aagtagctt ctttggaaag ctagaggaag aaagctttct tgagaagcta gagaaggct 240
 actcataccctt ccataatagc taagcttacc cncatgccaa aatacatgaa aatgtgaatg 300
 tatgtataca gttttgatg atgccaaaag aatntacttg ataatggttg taatcataaa 360
 aaataaggag aatgtgaatg tatgtataca agnttttgat gat 403

<210> 13670

<211> 339

<212> DNA

<213> Glycine max

<400> 13670

tttaagccaa atcctaactc accatagact ctgactctg tgtgagaatg cccatcctt 60
ctctcagaag aagacaaaaaa aaagaaaatt cccgatcaag ggtcggaaga aagcaaaaga 120
agaaaaactcc caatcaaaga ttgggagaaa gcaaaaaaag aaagaaaatt cccgatcaa 180
gatcggaaga taacaaaaga aatatgcaga aaggtctttg ggccagacaa tatctgaaca 240
atacagaatt gtcaccacca aataaggaaa gaaaggatac cacgacctga agtggcctc 300
tcccttgat tgccaaccaa aatcctgtgc gtcagtgac 339

<210> 13671

<211> 381

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13671

gaaatcaaag aatggaggc aattataaaa taagtttagt ggaacaaagg ggagtcgtta 60
tcaccttaa ttcattact tgtaaaactc ttcttctat atataaaagg tggatacgc 120
gaggtgggg acccagaata atttagtcaa acaaaataac acatagtact ataagctact 180
cagatcactt ttcttattt tntaactgtg cccctacttt ntgttatatg atgtaaatgg 240
aatgggtgc atgtgggtt actggcctt ttccttaat ataatttgcg ggacantgaa 300
gcatacatag ctccaatnga tcgacnntt gttttgcgc ttgcgttag ttccggatat 360
tatgaataat aatgggttgc n 381

<210> 13672

<211> 357

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13672

tctatataag ctgaaccatt gtatcaatat tcacatgtt gttttattc agaaaattag 60
agtttatctc ttttatctt gtgagagtga ttctcctaaa ttcttgatgt attcaagaac 120
accttggctg tatcaaagga ctttcacaac ctttgtgt tgccctcaact ggaaagagt 180

attctttcct tcctttatc ttcacccttg atcttcaaa ccacaattct agataatcca 240
cctctgcucca gaattatctc gtggccataa ctcccatgtt actcactcat attaagtgat 300
tcttgagcct aaattgaatc tcaaaaacgag accttncacc tcgttntgga atcacct 357

<210> 13673
<211> 175
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13673

ttctttgttt aataagaagc ctgnngccaaa tggagagagt aaaaatgagg gaggaaccca 60
tgctgtgact gccgttccta catggccaaa tttcccacca gctcaacaat gtcattactc 120
agcaaataatc gacccttctc attaccacc accctatcaa ccaggaacac ccaat 175

<210> 13674
<211> 409
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13674

tgccttgcctt ctgtatatat ttgaaggact catggtaact attaatgaca aattccttgg 60
gataaaggta gtgttgccat gtttcaaag cccgtactaa ggcataacaac tccttatcat 120
aagttgaata gttaagggtta ggaccactta acttttcaact aaaataagca attggatggc 180
cttcttgcat caacacagcc ccaatccaa catttgaagc atcacactta atttcaaaaag 240
attttgana gtttgcaac gaaagtatgg gggcatttagt tagctttgc ttaagaacat 300
tgaaagcttc ttcttggtc tctcccaatt tganaccaac attnttcttgc agcacttcatt 360
tgagaggtgc tgccaatgtg ctaaaatcct tcacaaatcg tctataaaaa 409

<210> 13675
<211> 419
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13675

gcagatgacg aatgttagtct ctgnctgtc aaaccggcct cgctttgcct tcttgcttg 60

accaaaaagg gtgccnggat taacccataa angtacct tccgcattgt cattcgggac 120
ttcgccccgtc ttctggattg acaaaaaggt gcaaaaagac gatggtagtc tctgcgtgtc 180
aacaaagctc gctttgcnnnc ctgttgacaa aaggtgtaga tgacgatgtt agtctctgcg 240
tgtcaacaaa ctgttgtgcc tctgggtggc aaaagggtgca gataaccata agtaccct 300
gtatgtcatc ngctcaactgt ctctggatga caaaagggtgc aaaagacgac gttagtctct 360
gcgtgtcaac aggctcgctt gcccctgggtt gacaaaaggt gcagatgacg acgttagtn 419

<210> 13676
<211> 511
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13676

nccagtgacc aaacatgacg tgcgatgcaa aacctcaagc tgaagaaaat agtaataatg 60
taagtaaagt agaaattttg tggaaattaa aggtgattaa aggtgatcta gattccatag 120
aattagaana agaattattt agtcattaga aagtggaggg cttttcatt aatgactata 180
ttactatgttt aaaaataaaaa ttntatttta actaattggt gacttattaa agtgcataat 240
tatatgatat agaattattt aaattatgtta aagttgtAAC actctaaaaa ttacaactta 300
gacttgacaa gaaaactcta tgggtgtcg gttgtgcatt tatgaattta atctcaatag 360
atatatgttc ttaatcataa aatttcgtgg tatgtatgtg tgtgtgtgtg tgcgcgccta 420
ttgatttatta aaagcttgac anagaaaata aaattatcta agctagattt ccgtctgcgc 480
aagagttgca tttgcattga gtcataatgt n 511

<210> 13677
<211> 318
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13677

agttcaatt ttgcaactta ggagttgagc aggtaaaaaaaaa gattcgtctt caaactctta 60
gaggtgactt tgagcgtttg tntatggagg agtccgagtc attttctgat ttttttctc 120
gagtattgcc cgtaatcaat caactaaaaa gaaatggtga agatgtngat gaagtgaagg 180

POLY-AUTOPROCESSING

tcatggaaaa aataactcg aacttatatc caagtttgc cttcattgtt accaacattg 240
aagaaaacaa ggatttaag accatgacta ttgagcaact catgggttcc ttacaagcat 300
318
acgaagaaaa acaaaaga

<210> 13678
<211> 390
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13678

agctggctt aaatttacat ggatgttgg attaatggga ggagggttgta tgccattttg 60
gttttaaggg tagcatttct tggtaaaact aactttcca aatgtttgcc ttgcagggaa 120
atggccccga ggaagcttgt ctcaaagaag tccaggaaag acaaggcgcc cgaaggaact 180
agttccgctc ctgagttatga cagtcaccgc tttaggagcg ctgtacacca gcagcgcttc 240
gaggccatca aggggtggtc gtttctccgg gagcgacgcg tccagctcan ggacgacgag 300
tatactgatt tcctggagga aatanggcgc cgccgggtgg aatcactggt tactccatg 360
390
gccaagttcg atccagaaat agtccttgag

<210> 13679
<211> 323
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13679

agccttatga acttctattt ttgcttgagg gcataccctc nccatccact agggtggaaa 60
ttgctccatt taagggtcac ctttcctga aatcctttgt cctgcaccca ccaatccatg 120
accttgaaag gcttangacc ccaatcaaca ctttangatc ttagaaggat anggcaatga 180
tctgaaaaat ctctgtctag tacaaactgt gttgtgtcag gccactgaaa tgatccttg 240
ctaccctgca atgagacaca cacataanaa tgcaatgatt ctgcggata gttgcatta 300
323
gtcattgtat ttagtcttga att

<210> 13680
<211> 403

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13680

tctgcatgct ttcttgtctt catcggtgtc gtcatcttc attgttgttgc ttttgtggaaag 60
gaaaagacag aaacaatgga aggagatatt ttgagaaagg ctatggcaca aataaaattaa 120
agggtgtatg agaaaaactg agcgagacta atttcaaata tggtttaat aaaaaaaatg 180
tctttaataa cttgattttt aaaataattt tattaaaacc gtcttcaac actcaccc 240
taaaacggtt tttataaaat tgggtgtcata catctcttgtt tatttacaaa attgttaccg 300
cctaacgttc taagaatagt ttatggtaac cgtcttataa gggtcatcat aaaaaaaacaa 360
nttttttgtt aatgtcaata ccaatgataa aanacaccat tca 403

<210> 13681
<211> 368
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13681

tcaaggctaa gtctccatgt agctccgtct atctctatac atttcttatac atnaggtatc 60
taagctgtgg ttcttgaaat caagtcttgc aatgcttgat tcattcttgc agtcttgaac 120
cttgcatacg gacctccaaat cccatgtaaa ggatcatttag ctggctgggt tgccaccc 180
tcagttgttc ataaaagtat aacctatgac ctttgaggag gcaattaaag atgaaaatg 240
gatgactgtt atgaaaaaga agttgaattc aattgatagg aatcacactt agcaactatg 300
tccattggtt taatgaacta ttgcagtaaa atgtgtttat aagattaaga ggatgcctga 360
tggaacta 368

<210> 13682
<211> 409
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13682

ttctntgtta taaactatgt gcggcaaaac ttcattacta ttattcagta tatacaaattg 60

agcttggc aattttcta gagttggagt gataacatgc aatccnctta taccttacc 120
tctcaactctc tcgtcaaggc gagactccag aatccaaaca gggtttgctt tttccatgt 180
cttagaacaa aactcaatag cttttctgc aatgtacctt tcaataatag atgcttcaga 240
acagtgtaga ttctntatat accttntaa gatcttcatg tatcactcaa tcgggtacat 300
ccaccgcann ataatggAAC cgcaacattt aatttccctc actagatgaa caattaagt 360
aaccatgatg tcaaanaatt aaggaaaata catctccaaa tgacacaag 409

<210> 13683
<211> 444
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13683

tgtgtgtgcc tatgtttctt tcacgggatt caagtcatt aaatgtttc ttncattag 60
atacttggtg tgagactagg acatcattta ttatgatatg ctcttcgcga ttaataaaagt 120
tgtcaatgct agtggcattt ggaacttgcg acaaatgctc actttctta tactaaattt 180
tttttgctg tgcaaaaaaa atgaatcaag ttgtcatttt cttcctcatg cacaacatta 240
tccagcattt ggaaacataa ggctattaa cacatggcat actttaaggt caattataga 300
ggtaattttt gatTTTAAG gtataggaat gaattgaact cttatagtaa gtttttgaca 360
acacgagtga caccttaaac agatgagtgt aactcaagat atgacataat ctttctaaaa 420
gtttcataaca taacactcaa cacc 444

<210> 13684
<211> 394
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13684

atcatccata tcaataacta ttatcatc attttaaaaa agagtgcggc caattaaattn 60
taaaaataac caaatacctt attttaaaata tatgtatacc ttanacatgt gtaatttgg 120
ggatcattga ttatgtgttt atatattcaa tagatattaa ctctcctta atgtatgttt 180
tttgcataaca tgTTTTCTT ggcttcggct taattntattt attcttcana aaagagtgtc 240

cgggactttn tgacaaaanaa atggatgttn tttatataaa aaanaacaat attctcaaag 300
agtgttagttt ggaaacaatn tacaagacat atntttgtc acataatatg tangagaaac 360
caatctcggt gtcactttat atttgttta tgtc 394

<210> 13685
<211> 466
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 13685

ggagantnct aggagatctc acaattatga atgtatatat ttttaatag gaaatcaaca 60
actatggtca aattccttaa taagattcaa ctcaatacc aggttccaat taagagattg 120
gatctcatta tgaacagaac aatccactca gttgaatgac aaaatcaaga attaacatga 180
aacaaatcaa atcacatgag aattgatagg atgancgctt ttgtgctatg gtatgtgcct 240
tacggtatcc aaagtacggt cctcttgct tcctatgatt gaagtgaaga ttcacaatgt 300
ctgcttcca tactctgaca agtaagcaag tcaactaact tggtaagaag aanacaaaana 360
gtatttcaca atagaacttg aagctcgaag cgtctncatt gagaaaatan agtatgatta 420
aaaaatcaaa ccattggta agctggctcg gatagacnat caacat 466

<210> 13686
<211> 409
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 13686

tatcttgtt tttgttaccc acatcatctt ctttctgctg ttgtacttt gagttccatg 60
atgtggatgg ccatgtagat gatagaaaaa gggctntatg tgaccatact tgccacagta 120
gtgacacctc cacttcttc ttttgcctt tttctgctgc gttccatgt gtcgagaccg 180
atgttgtgac atcgtggctc cagtgctgtt tttggcagga acaaattctg tcatggttgt 240
tctgccagca gacttaggat taaatccaag tcctctctgg tttccaacat tctttccaag 300
ctgcagcacc tcatcaagcg tatctgagcc tttattcagc atctttattg attctgtcat 360
gttttccagt ttagagttca gaaaaccaac ttctccttta agctcagag 409

<210> 13687
<211> 393
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13687

cactcaagct tgcccaggc gagaaggagc ttgtccgaac aatttagctt tatcaaagan 60
aacatgtggg ccatcatcga ccaatacaag gaaaagttaa gcctagcggt aactcacaaa 120
caaaggctag aggacgagta cgtgaaggt aagtccctgc aagtggaaag ggaagcaagg 180
gaaagggtga tcgattcatt acacagagaa gcaatgatgt ggatggatag gtttccttt 240
actgaaattc tgatactgtg gacagatgtc gtacaggatg tcacgacatc gcgcttcaga 300
acatgcagct agtatatgac cgtatgaaca gaataaaca gtaaataaca caagagaatt 360
gtaaccaggc tcggtgaaac gtacctacat ctg 393

<210> 13688
<211> 378
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13688

ttcttgatc ttccttgta ttcttattaca tatgtccctt acacattgtt attgcatgtg 60
gatgggttga ctgcattgccc gaatatgtgc ttcttagtgc aagctcagag tatgcttctc 120
ttaggcttattcactatg aaccctatgg gtgggtgcct agatttcatt atgtaaggag 180
aaatcgaaag tgcttgcgt cgctggtaa actcaccatg cataatggac atctaatttg 240
tgctgaatga cacaactgga ctagatccac taatgaccct atgggtgggt gcctaagttg 300
cgttttctaa gtagaattcc atattgctag agaattgtgt aaaactcaca ctgcataatg 360
aaaatctaat tcgggttg 378

<210> 13689
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13689

cttgctgctg gatccatcaa ataatcatga aaaacttata aatttatgca tgaatcaact 60
agatntaagg gtagttntgg aagaaaacta ttacaatcaa aggataagtg ctaacaatnt 120
aaatcccaa actacttana tntggcactt atcaatgcac tacaactngt aaaaaagaaa 180
tcacctgaa tgaagaaggc aacctattgn gccagatgaa nagacactnt ttgaattnca 240
atagttttt ggaactatag caagaagttc agaattttgt cactcaatta cactaattgg 300
aagcctctag acaaagaccc tatatggat ttgtgtcaat gtactaactt tatccatttg 360
aacatgcac ttagcatact taanatgaat ngatcttc taaatattt tctttcattg 420

<210> 13690
<211> 356
<212> DNA
<213> Glycine max

<400> 13690
tagttgcat tttcaatata ttgattccta cgcgctgggg ctgtggatcg ttgatggctt 60
ataagtgcta cacatactaa ttacttatat aagctgaata tataactgc aactacttta 120
tccatttcta tccggaacctt atacactgat ccgtacctct cgccttgatg aacatgtatc 180
accatccata ttgagagata tgtcagtgtat tcaaactacg atgtctaccc tggaaacact 240
gtactatgat cccatgagcc atagctacag catcaacgag cctgggtctc aaatgcgata 300
cgaactcgaa cattgacatt gcatctcagc tacacaaagt ctctaaacta acacat 356

<210> 13691
<211> 286
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13691
tgcatacgctc agagacttct attgcatttg tgcataccac tttgcataaa ctngatgagt 60
taggacttagc gttcattcca ttgctgcata tcagatagat atcacgctgt acatcattga 120
gatagaatga gacggtcact tggcactgag ggacattgtn tcacaattac gcactatatg 180
aagaggtgag atccattctt gatatggcac cnagacgtga agccagcctc cttaaaccta 240
ttataactat actagttgca atcaatattc aactacatac actgcg 286

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<210>      13692
<211>      388
<212>      DNA
<213>      Glycine max

<400>      13692

agcttcatca ttcaatttcg agcgctcga tataatgcgg gactcaatca gacatccgag   60
taaaaagtta ttgtcgttt aattggctca gagcttcaac attcaatttc gagggctcg  120
atatattgcg ggactcaatc agacatccga gtaaaaagtt attgtcgttt gaattggctc  180
agagcttcaa cattcaattt cgagcgtctc gatatatgac gggactcaat cagacatcct  240
agtaaaaaagt tattgtcgtt tgaattggct cagaggttca acattcaatt tcgagcgtct  300
cgatatacta cgggacctca tcagacatcc gagtaaaacg tattgtcgtt tgaatggctc  360
agacgtcaac attcaatttcg agcgctctc                                         388

<210>      13693
<211>      312
<212>      DNA
<213>      Glycine max

<400>      13693

tgagccattc agacgacaat aacgttact ccgatgtctt attgagtccc ttcatatatac  60
gagacgctcg aaattgaatg ttgaagctct gagccaattc aaacgacaat aacttttac  120
tcggatgtct gattgagtcc cgtaatatac cgagaccctc gaaattgaat gttgaagctc  180
tgagccaatt caaacgacaa taacgtgtt ctcggatgtc tgattgagtc ccgcaatata  240
tcgagacact cgacattgaa tggtagatct ctgagccaat tcaaacgaca ataactttt  300
actcgatgt ct                                         312

<210>      13694
<211>      397
<212>      DNA
<213>      Glycine max

<400>      13694

agcttggaggc aaattaaatg ctccagcttggggaaatgt taaaacatata atattgttaga  60
gagctgttatt gtgttagacaa ctatgttagt aaaaggctat tttgagtggt tttgtgtgtg 120

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tgagggtttag ttttatgtg ttgtcatgtt gagtgtgagg gaaactgagt 180
atctaattcct tatccaaagg cagtcctctt ttctatTTA tatataaataata tataaggcagt 240
ggctgagaaa taaaaaaaaaaa aaaaataact cagcacttctt ctattgtattt gtgttaattca 300
aatttcttag caatgttagtc acttcatttt caacaattac atactcacca taatgaaccc 360
aagccttaat gtcataatct aatttggtca cagatca 397

<210> 13695
<211> 453
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13695

tgaagggtatg aacacttcta agtgttgttca tatgtggatt tatagtccaa agagaaaata 60
cattgacaaa tccaaaatcc taaagtcaat agagatgatt tattttaaat aataataata 120
ataataataaa taataataat aataataata ataataataaa taatttatttatt tatttattt 180
atttatttattt ttatttatttattt atttatttattt ttatttatttatttatttattt 240
ttattttagtc cttacactta tactattttt atgtgntggt cttaaagatta tatctagaaa 300
ctacgttgc atctatacat gtactttaa ttccattata atctttattt cattaagtgt 360
ataactaatgc caccaaatttga taatttatgg tggtacaaag ccaccacaaa tntattacta 420
agatgatcat tggtgacaat gtaacaatcc tta 453

<210> 13696
<211> 245
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13696

aaaaaaaaagca catgcattga cgaagactca aaatagggag cacctcacac ttattaaanag 60
gaatgtccag attacgataa gatttgtcaa gctgttaagt tattgtgcata taatttattttag 120
tgttaaacaa atggtaagca tcacggatgt atgtgtcatg ctatgattac tgataaaatgt 180
taaaattaaaa agatttggtc tgggttaggt gtaatacgat cgttatttggt ttttctacc 240
ctcccc 245

<210> 13697
<211> 330
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13697

gctttangga aaacttgc ctggcaacc tgtaacttag cttgcctaaa tcnaaatctc 60
atcntgcct gttctgttt tagagtctgg gtctatgttc tttgctgatc accatacaga 120
tctctgtcct tcttgagta attggaggta tagaacctg aacctatgct gaacatttat 180
atagaccct cacagcaaac cacaataaat attatacttt cagcacagat caatccatg 240
gagaatatca atctgaatgg aaatctccaa caccattctc cttcaaagct gtgtcaacag 300
catatgtctc tcattgacata catactcaca 330

<210> 13698
<211> 312
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13698

tttcaganaa tattctcaac agtcacatct ttttatgtgg ttcttgaatg gctatcaaag 60
gcctatatat atgtgacttg agacacgaat ttgctaagag ntnttcagaa caaaaaggc 120
ttatcctctt ataaagaaaa atcggtttat cctcttacaa attccttggc caaattactt 180
gtgattcaat aaggaattat ttgagtgctc aaattgttca atctatctct ttcaagagag 240
atttcttctt ctcttcttct tcattctgan nagggattaa gagaccgang gtctttgtt 300
gtgaaataat tc 312

<210> 13699
<211> 255
<212> DNA
<213> Glycine max

<400> 13699

accattaaaa aaagctgtcc ctccatccat ctgttgcac tcaaggtaa aatgagcaac 60
taatgccaag attatacgaa gagaatcttt cttagatact ggagagaaag tctttata 120

atctattcct tccttagag tagatccctt acaacaagac ttgccttgta tctctcaatg 180
ttagctaatg aatcctttt ggtcttatag acccattac atccaatggc cttcgcccc 240
ttatgcgact ctaca 255

<210> 13700
<211> 469
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13700

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agagccgacc tgaggcatgc aagctatttt ggnggttan attttacca gaaggacggc 120
aatggatcca tagtatttat aattagctga ccatcgata ttgctgatat atatacataa 180
ggtaaattg gatagtggat acgggtggaaat atattaaact acattgaaat ttgccaaaac 240
caanaaggct ataaccattg tcttgggtgc attctcattc aggaacaggt ttcacttctg 300
acaaaacaaa attcttacat aaaagaaacg gctctgtca atttgccat ctgatctgct 360
gtgtctcatt accatgatta caggtcattc agtgacacgt gacagtagga actcatcctt 420
ctacatggat ttgagaccc ccattggtgc tatacccgaa tcttcctag 469

<210> 13701
<211> 401
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13701

ggcttgttc tacaatttcc ctcttttga tgatgacaaa cctgaaatca agaaaacacat 60
acacattctt tttcctagtc gatcactcac ttaattctcc atattctccc cctttgttt 120
tgagtttaag cttcacttga aattaaatta attaattata tgagttctt attaatccc 180
tatttctct ccctcttgg catcgacaaa aagccaaagt gtgtaaagaaa tataaaaacat 240
acatgattta naaacaacat acacatagca tccgttgtaa atcaatcata aaggatttct 300
aactaatcat gaagcanggc atgaaaccaa atataaatgt aaaccacata gtcataaac 360
agaactcata aatgttcact catactaagc anatattaaa a 401

<210> 13702
<211> 318
<212> DNA
<213> Glycine max

<400> 13702

agcttttatac caattggact aacctggaat aaatgccttt gatagccctt ttgagccttg 60
tttccttttc cttgtttgga agctactaca acccttaggg aaaaacatga tataccatat 120
ccttaggaat tttgagcttt gaattgtttg ggaattaatg tgggggggttt ttgttcattg 180
acaacttgtt tgtggctatg ctcatgatga ttttggccat actgatgtac atgatattgt 240
taaatgttga catgctgaat aaatgttgtt ctcaggcta agagtaaaaa aaaaaaaaaaa 300
tcgaaaaaaaaaaaaaaa 318

<210> 13703
<211> 244
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13703

ggagatgaaa aaaatcatga ggaagcggtt tggccggct agttactcaa gggacttgaa 60
attcaagctc caaaaactaa cccaggcaa caagggggtt gaggagtatt tcaaggaaat 120
ggatgtgctc atgattcaag cacatattga agaagatgag gaggtacta tggctcgatn 180
tcttaatggt ttgactaatg atatccgtga tattgtttagt ctgcaagagt ttgttgaat 240
ggat 244

<210> 13704
<211> 401
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13704

cttgcgttagc cgctcttggt gctcagagat ttccaaaatt tattcctttt atnactagct 60
attttgaagg cttagttcc tgaatgtaca accttcaaattt tggtgctcgat tccccctttt 120
cttttctgca aaaaagaaaaa tcaaatgctg tcaaaacatg gatgaagtcc taagaaaaatc 180

aatatcaaag aaaacatgga tgaaatcaca attaaaaagc acaactacct atcttcaga 240
gtcctttggta taatttgcgt tgcctcccta tgtggggag ttttgtttaa taatctata 300
ctatctgcct tc当地aaaa cttatcacta atcccctttt cattaatcca atattgtatg 360
ttattgtata aaagatcatg ggttcttcac ctgcctccac t 401

<210> 13705
<211> 398
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13705

tgcattcagg aacctaacaa acaataacaag atgcttcact tccagtcctg ctccaatgaa 60
taaatcttta taagtaaaac atgtatgttt attctaactc accccatctt ggagcttg 120
ctctacagca gtggcaccaa gaagaattag gttttctca atcttatctg atacttcctc 180
aatcattata tcctgatcag cactgactac attcttggcc ctagagaatt tactatcaa 240
ctccttgtat tcttctgcat caagttcactg ataggccagt ataaagggttc tcaaaccgc 300
atcagcatac tcatgcacat ngctcatggt tttctttca aactccttcc tattcttggc 360
aagccttca aacatggtgc tgcataaaaa catcactc 398

<210> 13706
<211> 329
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13706

cttaccataa aacggtaatg cttgcaaacc ggactttgta cccatgacca ttgttaagtct 60
ccattaatga caacctttgg tatggaaaag ttaaataaaa tgtatgtctt ttcctcattt 120
aatggttctt ttggtaggtt gtacattatt ntatgtttag gttaatttt tctcagtaga 180
tactccctat attgtgaata aatgtggttc aacttcagg cacgtgaaag atgaagaata 240
gaagttgagt agctgtgtct cctaatgagg ctatgcccta gtgagttacat cactaacgag 300
gcctcaactcg ctatgtggttg gagatctgg 329

<210> 13707

<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13707

agcttggtaaaactatatacccgtaacccaactggccatgaatcaaa 60
aatctgcacc tgtcgctaga ctctantggttatgctcctctgacgaccac cacacagacc 120
tttgccttg tggcaacaa tctgaagcaa ttgaggccctaagcttat gctacaaaca 180
tctacagtaa acctcctcaa cctcagtagc aaaatcagcc acaacagaac aattatgacc 240
tctccagcaa caggtacaat ctgcggtaa ggaatcatac caatctaaa tggcgtgta 300
cttcacaaca gtatcacaa caccagcatttattgtcaaa tggctggccaaagttgac 360
catacgttca ctcaccgatc cagcagtaac aacaacaaca gca 403

<210> 13708
<211> 362
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13708

atgatgccac acatgatcaa cagctatgacttcctagt ttcttacttgatagctg 60
cgattcagtt cgaaaaacct gttatcctct tacacgttga acacttcatg cgtgctagct 120
agtcatttttccatatgctg taccatataa gatccaaaag aaatagttta taatgatgca 180
tgtacacttg ctctactggt ccattgttgcatttgcataact anaatcattt 240
aaagagagga aaggatctat agaatagaga caagcgtgtctcttcttat atatncagtc 300
atttaaattaa atacacgcaa tggatttctgcattttataa cttatattaa 360
tc 362

<210> 13709
<211> 388
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13709

tacaacgtat gctgcgtgtg acatcgttctt tccgactat atataaataa aaaaaatata 60

taaaaaatat tggtaaacaa attcacgtgg gtaaaagggtt cacattcaact tcactattac 120
caaataaaac ttattaaaaa tatattcgac tctaaacaaa gccgtcaaaa tttacaaaaa 180
acgtttggtt aaatcaatga ggtaaaataa aatagactaa catcatgcaa ttaatataga 240
gcttatgctc caatgtcaca tcctatcaga gcattgtgta ccgacgtctt tcagcacaag 300
gttccttaaa gtaaattacg tagtcatctg ctcccccga cacacagttc aagatcatca 360
catgatccan acacaaacaa cacacatg 388

<210> 13710
<211> 264
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13710

catgttgttc tgaaaatcta aaatgttaact cttaaaaatg tttgactttt ccaatgggtt 60
tagcttctta aaagtataac tcttctgatt ggcttcttga ccagacatga gagtctataa 120
agcacgctt gnttcgcatt ttctatcaag tctttcttaac attccataaca tccttacagc 180
cttgatctct gtgaacttct tcttcttgc tccaaagctt atgaaatttc tggtttcaa 240
acctgaaaact tggctatcat cctt 264

<210> 13711
<211> 300
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13711

ccactctccc aattttacaa aatcatattc atatatcatt gggcatttc accgagcact 60
tggtggcgc atgtttggac ataaattgca agagaattgg ggcaatgtgg catgccccat 120
tgcttcagaa tacaacacag gcctaaggcc ttctcacaca aatcctcaac tcaacaaatc 180
aagcatcana gcaacccana actgcctcac aaatataagc acgttctcac aatntagagc 240
accaaaaagat gaagaaaaca catcaatgag aagctaaaaa cctcaggatt gaatacttac 300

<210> 13712
<211> 353

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13712

ccttgctcta aattacatgg aggttggtat ttttgaagga tgttttgcc atttttgtt 60
taagagtagc attccttggt aaaactaatt ttccaaatgt ttgccttcgc aggaaatggc 120
cccgaggaag cttgcctcaa agaggccag gaaggacaag gcggccgaag gaactagttc 180
cgctcctgag tatgacagtc accacttaa gagcgcgtta caccaggagc gcttcgaggc 240
catcaaggga tggtcgttgc tccgggagcg acgcgtncag ctcanggacg acgagtatac 300
tgatttccag gaggaaatag ggccgcggcg gtggacatca ctggttactt cca 353

<210> 13713
<211> 392
<212> DNA
<213> Glycine max

<400> 13713

gctttatgta aactgatgcc ttggtaaccc ggaacccaac tgccatgaat aaaaattgcc 60
ctgtcgctag ctctatggtt atgctcctct gccgacacca cacagacctt tgccctgtgt 120
gcaacaatct gaagcaattg agcagcctaa agcttatgct acaaacatct acagtagacc 180
tcctcaacct cagtagcaaa atcagccaca acagaacaat tatgacctct ccagcaacag 240
gtacaatctc gggggagga atcataccaa tcttagatgg tcgagtcctt cacaacagta 300
gcaacaacac cagccctatt ttcaaaatgt tgctggccca agtagaccat acgttccttc 360
accaatccag cagtaacaac aacaacagca gc 392

<210> 13714
<211> 355
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13714

agatttaagc caagccctta ctttcgaggg gcaactccca ctttatgaag actatcccgg 60
gcaagacgat gggaaatgag atacccatct tggccccctg ctccacctca aagatccatc 120
cccgcatgaa ctaccccagc cgaacatagt ccactatatc ccggcctcac ccacacccgt 180

aaaagaatct gttcccttcg cggaagataa gggaaagatt gacgcgttg aagagaggtt 240
aagagcagtc gaaggccttg gcaattaccc attctcgat ttggcagatn tatgtcttgt 300
gcccaacatc gtcattcctc tcangttcan agtaccagac tgtgataagt acaaa 355

<210> 13715
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13715

agggaggggt nagatagtt taaaccgatg ctgcacatc cgggttna gccgcccncgg 60
gatcctaag ngacttgagc atgcaacttt ttgggccttc ctgcaaacaa acattggag 120
taagtttacc aagaataatg cctaattta cacaaaaat gacatgccta atccctccgg 180
ttaaaaacga actcatgccc acgttaaaag tacacattta tgcacatgcg tacgtgtaaa 240
aatatcctac tattatgtca cttacaagac acccacacat ctaattgcct acattatgtg 300
catctgaaag acacacttct atgctcaggc gtgcgtcaac ttacactaat atatccta 360
ttgctattca actactacca tattgaatat attcatcaaa tttatgttac tccttattta 420
ttgctatgga aacta 435

<210> 13716
<211> 348
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13716

tatagaagct agatttgatt ttctatggtn caatattttt gttctgttc ttgaaccatg 60
aatgggttg agtttaggtt ccttgattt ttgtctgtt atttttgtg gctganacct 120
aaaccatana attcttacaa aaatatacaa gttagaaaaaa cctcaaaatc tagagtgact 180
tgttcacgta ttggtagttt gtcatalog tcatgtctag tcatgaaact tgtcacataa 240
gaattcttat gttgggctga attntattttt cttgggttctt tcgctaactc atttggtcat 300
gagtgtataa attattnagc ctattatgg attgagtcac tctttcat 348

<210> 13717
<211> 459
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13717

aggggncaag cggganaatg aaccttcgat ancttcgaa atctagctcg gaccgggat 60
cctctgagtc gacctgcggc atgcnagctt tatctggatt atttgttattg ntncgatgg 120
gaattctggg tggcctggt gcggaaatga tggtacagcg ggtgaaccag gagcggcagg 180
ttctttgggt gaaggaacca tggaaaaca gaccgttgaa atgaattcta aatctcagat 240
actattggga tatgctgata aaacacgaat gcccacccat atatttgaa tgagcatgta 300
tagggcgtgt gaagcaccgt cgaattgctt gtgggaacgg ctataatgtt agtgattcgt 360
aggcacgtca gatagcataa ctgcttaatt ctctaccgac aatgccactt gccctagtt 420
tcaactgatt gctccagcct tggaaatatt gctttgtcn 459

<210> 13718
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13718

agctttaa tggagaattt cactaatcaa tcactacgca tagctgaaaa ctcgaagg 60
gaggacacat gaacgaaaac acaattcatg gggctccgaa aaaagggttg ataatggaga 120
attacactaa gcaatcacta cgcatagctc acaacttgga ggtggaggac acatgaacga 180
taacgcaatt catggggctc ccacaagatn gaaaatggag aattgtacta cgcaatcact 240
actcatagct acaaacgcga aggtggagga cacatgaatg acaacgctat tcatgggtct 300
tcaacatgat tgataatgga gaattgcact aacaatcact actcattagc tcaaactcgg 360
aggatgagga cacatgaatg aaaatcaatt catgcggctc cca 403

<210> 13719
<211> 488
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 13719

ggcncggcgg cggtnnnngn aactggccat gaanctncga cnacgaaacn atgctnaagg 60
gagccctacca ttctgctggg accaatggtt taataatttc atcanggcga acaatctcc 120
actactttgt ggtcttatatt acacgcccga gtagatcctt tagaatctga atagttcggt 180
cagtctgacc atctngttga agatgaatag ctgaactaaa gcttcagctt ttggccccca 240
aggcttcat tgtagaactt tgtccaaaat cgCGAAGTGA accttggtc cctgtcaata 300
catactagag gaattcctgc accttctt cttgattaca actcaactgc tnttgcattc 360
tataacctcat attcaactggg ataaaatgag cagatttggg gagtcgatct actatgaccc 420
acacggcatt atgcncacga cttagtcttgg gtAAACTAGA tacaaaatcc atagatatgc 480
tcttccat 488

<210> 13720
<211> 318
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13720

tgcatgtgaa ttaggacgca ttatcaagaa tcaagccaaat gctattgtgc aagcaatcaa 60
tggggcataa cacacccaaat gattatgatg atggatggct caanattatc acanacgtaa 120
aatcatcaat ttcaaattga gctttcaaac tatcatgaca tgtagagaaa aatcaaagat 180
ttcaagtcac aaaatgtcaa gaactttatt ttccaaaaca ataccattt cttgaacata 240
tcctataatt caaaagaaaa catgctaagt cgtacgtgca cacaaaattt gaccctaatt 300
attataactaa aaatctga 318

<210> 13721
<211> 280
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13721

tatcgagacg ctcgaaattt aatgttgaag ctctgagcca attcaaacaa taataacgtt 60
ttactcggat gtctgattga ctcccgtaat ataacgagac gctcgaaattt gaatgttga 120

gctctgagcc aattgaaaacg acaataactn tttactcgga tgtctgattg agtcccatca 180
tatatcgaga cgctcgaaat tgaatgttga agctctgagc caattcaaac gacaataaac 240
ttttcacgg atgtctgatt gagtcccgta acatatcgag 280

<210> 13722
<211> 370
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13722

agcttcatac cttanttac atttcaattn attgaactaa tgatcttga actaataata 60
attaataata tttaatata atatattaa aaatatttat tggagttgaa ttaagaatgc 120
cgattcataa ataaattgag agaaattgga atggtaatgt ctatacaaac ataaacagt 180
tatgagaagt ggtggttact tacaaatatt ttgacacaca agaaaataat ttttacctat 240
aaataacaat cttgaattta ctagtagtga attaataatt attatctata aatattaatc 300
ttgtaatgta ttagggttga aacttctgcc ctacanactt gtacaaatcc cgacacattn 360
tgtactcatc 370

<210> 13723
<211> 324
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13723

aaactagtt tatatgtat tatatattgt aacaattatt gtacacccaa aaaatatac 60
gtaacaatta atgagtaggg gttttctttt ttatattcaa caactagatt gattttattt 120
cttttggtg tccccccgat ataaaggatt tggtttcatt agaatgtcca ttctttttg 180
ccaaacagtat gaattttat ttcaatctt acaataagt gcattaacat tnttacacga 240
aatntactt ttaagcatcg gaatttgaat gattccttaa gaataatgta agagggtccc 300
tgcttatatt ctaactaaac atac 324

<210> 13724
<211> 364
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13724

agcttgttga ctataaccttc gaccgaacac gaccagtgtt ctgtcttaggc ccggattcaa 60
ggcgccgtgc aacacccgct ctgctccct aactgtactg gaggcggttgc tcatggctnt 120
atcctctatg gttttcttggaa agtttaacat gacctccgag atggaagcca tttgatcttt 180
taaggccgat agatcgccct tcattctgttc ctgcacgccc tcttcattat ccattttct 240
ggatcgagtg ttatanggtt gccttgggtgg tttcttaattt atgatgaaat tcctaaagaa 300
ataaacaacg gtgagtatgc caccaaaaaca tgagtatgcc aatggatgat cggAACACTT 360
ggat 364

<210> 13725

<211> 282

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13725

tgccttggttc cctttggtaa tgttagtctt acttcttagtg accattttgtt atccctatat 60
atgtctgaat agttagctaa taaaattaaa actctctaga tggggatcc cattctntaa 120
tgttgnccatt ttcctaactt gtgctaaaa catcacaagt aaatttagatc gttatcctcg 180
aagaatgagg ataaatgagt aattatgttag atctaataag aacgatgata attaattatg 240
tagaatttgct attgatgata tactccctta tgataatggta 282

<210> 13726

<211> 335

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13726

agctttatca tcagaccact tncagggtgc tgaaactact tcacatggac ttgatggggc 60
ctatgcaagt tgaaagcctt ggaggaaaga ggtatgccta tgggttgc gatgatttct 120
ccagatttac ctgngtcaac tttatcagag agaaatcaga caccttggaa gtattcaaag 180
agttgagtct aagacttcaa agagaanaag actgtgtcat caagagaatt angagtgacc 240

atggcagaga gtntgaaaac agcaagttt ctgaattctg cacatctgaa ggcatcactc 300
atgagttctc tgcagccatc acaccacaac aaaaat 335

<210> 13727
<211> 177
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13727

caccaccatg aatgtgcctt ggataagaag cttgaagagg atgctntaat ggangaaaag 60
aaagagagaa agggggagca cganattgaa ggaataaaag agggagagaa gtggaacttt 120
gaagtatgtc tcataagact ttcattcatt caaagtacaa caagtgttac acatgct 177

<210> 13728
<211> 373
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13728

aaagaaccac cttaggtcc aaaaaagtga ccaccttagg gcctggcttc aaatccaaat 60
tgaccaccaa ggttagggtt caaaccattt aactcaattt caaaagcatt tagggttttt 120
tgaactaaaa ttttttttt tattttgatt tacgacgggtt ttttatatta acttgcataa 180
ttntataaca caaaacattt tangttggtt tcaataaccc gctanaatgt acgtcgtaa 240
ttccaatttc aatatataat tacaaaattt caccgtatca ctttctanag cggtcccta 300
taaccgcgtt agaaccgtgtt cgtaaaattt tttttgagt agtataatt aatactttca 360
cattagtatt acg 373

<210> 13729
<211> 497
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13729

aggggnaagc gggggatgag ctatgagccc cttgaattcg ananngnaca cggaatccnt 60

taaaggcacc ttgaaggctg gcaagctgg tatttacgg atttacotan nnnnaccccn 120
agaagcgatt cttaagaaat atctctcana ttaaataata ataaaaccac attgggggtc 180
attcgcaaga agaaattaa gctaaaaaaa accataacca ataaggata attacttacc 240
attggaaatc aaccaaaaaaa cttttaggaa ttaaacaaaa agcttctatt gtgtgggtt 300
cacaactacc acctcttgag agaaaggct ttaggccaca atggatacat gaagaattga 360
gatgatgaga caaattgaaa taggagaaat gaagttcttc atgttgatag ggaattaaga 420
gaagtaagtg atcctttatc tatccactac ctctttttt attcccaccc tctctaattgt 480
ttttggacta aatattn 497

<210> 13730
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13730

agggagggga agggagctgt gcgcgtannc ctgaattctg angnncatgg gatctntgag 60
ncacctgagg cggcagcgtg ttgttagtgt tggcggtct cctcacggtc ttgtcgggac 120
tgcgagctt ggccactgca tttccttccg cgagcttctc ttcataaccg gcctgagtgg 180
gtttagcc taacccatac tcccacgatt tcctttggca ttataagcta ttatgccgct 240
ggagcttgc cccaacccat tcggagtcga accggttcca acataactcg accattatta 300
tggtgctcg acaacagctt gcccaagaag aacacggaga aatgctccac ctaaagacag 360
aagcgggtca aagaccctct gcggctccaa aagcataagg aggtagctac caaaggttct 420
cccgcacaaa acaaagc 437

<210> 13731
<211> 384
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13731

agctttaat gtattgacaa aaaagagaaaa acccggaacc cagggggagc agnggagaca 60
gannnaagcc gagcngaagg ccaaanggac actntcaatc gacaaggaca gtgtcgatga 120

cactgtatac aaaaagtatg acataagata agagaaatgg gcccaattt atcaaagccg 180
catagaccct tcataggagg taactttgtg atcttcattt ttttcaaattc taaatcgact 240
tattattatc cattgtaatg ataagtctca atggtgttta atatttgcag gatgtgcgaa 300
aaaagcacat gccatccaga aacaaaatat tgtccctcac atgttgtctc gtgagagtt 360
tgaatatctt gaaaacaaga tgat 384

<210> 13732
<211> 325
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13732

aaattgagtg gggagaaaaat tttcaactaat tatgatttagt gaatttttagc tatggttcag 60
cccaccaatc caagatcaat tccaagattc tccactaagt gtgcttaggt gtcatgaggc 120
atgtaaagca tgaaggacat gcacaaagtg tgactatatg atgtggcaat ggggtgttagc 180
aagcaaatga tcacccccc ctctaattttaatttggatt ggtcttctcc caattcaatt 240
aaatntatttgc tcaacacac acatcaaata tggacttaat taacgtgaaa ttacaaaact 300
acccctaata cacaaactat agtct 325

<210> 13733
<211> 259
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13733

ctttggaaaa aatcttcaga aacaagtac ttgttgaatt gtgacttttggaaatgtatt 60
ttttgaaatc agtcaactggt aatcgattac cactaaagtg taatcaatna cacttcaaca 120
gatgtgacta ttcattttga atcttgaaca taaaacggtt agaaactctg gtaatcgact 180
acaagtatttgc tgaatcgat taccaagttt agaacactgt taaactattt aaacataagt 240
tataactctt gaaattaaa 259

<210> 13734
<211> 415
<212> DNA

<213> Glycine max
<223> unsure at all n locations
<400> 13734

cgaatacgct cttaatccgt agcacnccgc nnatagntat tctccnnncna cncanagagg 60
agagggggtt tcacatcttat tgtannanga ngacgggatg tgggcgttta ataccacttc 120
ctcctctaattt ggacgcgaga tgatgtgccc aagtgggtc gcatgatctc gtttgtatg 180
cacggagaca cgttcctctg ttcacaagag ttctttgtgg cgaagcgaa agaacacttt 240
acattaaaaa gcttcgattt gaccattatg aaattacttc cttcacagg gctcaagttt 300
ataggacaca taagtgacctt cttctgaaga accggaaaag gggctgacc catcaacaat 360
tagtttaca cctcccaattt ttttatatgc ggtgagcggg ctgggttgg tatcg 415

<210> 13735
<211> 455
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13735

ngggaaagg gagatgatgg cttgaacttg acacaagacg ccacggatcc ctgagtcct 60
gagcaccacc gatgttaactt tataccttgg ggaagcctaa aaggatcaaa tattatataa 120
aaaccttattt caaagttaac ctttacctaa atagttaaaa aaaaatctt acctaatttg 180
gacctacggg gaatttacac ttgaaaccaa atactacacc tgcgaaaatt cccaattcca 240
cacttgaacc gttgaacttt ttcccactat cttgactggc tctagcttt ttcacttagt 300
agaattaccc gctaattcctc ctttcatatc cttttttat ttgccttntt ggactgacct 360
acactttctc tcgtccttcc tgttctatct cactttcactg tgccanattt tttgggtgg 420
gtatntttta gaataattca taatttgatt cttag 455

<210> 13736
<211> 494
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13736

agggAACGGG CGTTTtaggc taggccatc gaanactgag ancnttcgac nnncnnccgg 60

ngtatctcta anagcccacc tgcaggcatg caaccttcta tataatggat gtngatttgt 120
gaaactgcct gcttaatgg tggaccacaa aatggtacct gaagatatgt cacgggggtc 180
aggaaacctt gaggacgtca ggtgggggtc tatggcccaa aaccaacctt gaccaatccc 240
gacccaaccc gggcatagtc ggtcaggag accctgttat gtatctaagc aggcgagctc 300
cttgcagtca acagataaaa ggaaaacaga ccacaaagca nngatgcttg tggtgctgg 360
ccaactgtga attttgtgaa tatgtgagat attgcctttt gtaatcgatt accaagggtg 420
gggaatcgat tcaaggctta naaatgagac aggaggctaa atggtctctg gaatcgatac 480
cacgntgta acga 494

<210> 13737
<211> 241
<212> DNA
<213> Glycine max

<400> 13737

aaaatggttt gcttctggtt ttatgtcaat acatcaaaat cttatgtttt acttgggtca 60
tcatgtaatg ctccctctac tatagattcc atcaaacaga aaaaaaacac tagtataatga 120
gacctataatc atcaccacat aaaccaaatt tttggctgct ggctttggcc cattccccac 180
atttgatctt ctatgtatccc atctacaat cttctccccg ccccccattga gaatgaatta 240
a 241

<210> 13738
<211> 388
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13738

gacgcgaang anacggcgag atgaggcaact ccatgacacg aggtcacan ggagaaaaga 60
gaccatatga attgctccag agcttccatt tgtcaatatc gagcgtctaa atatataatg 120
cgcccttcattt cgacctccga catagaagtt ctgacccatt taaatgctca agagcttcca 180
ttgggtcaatt tcgagcgtca cgatataatc tgcacctgaa tccgacctgc gagtgacaac 240
atatgaccca tttgaattgc ttcatgagca ttcatcggtt caataattga gccgcaacga 300

atataatatgc aacctgaatc ggacacctca gtgacacaccc atgaccaatt tgatttgctc 360
388
agaacttcca ttgatcaata ttcagccc

<210> 13739
<211> 232
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13739

ataanatatac gagacgctcg aaattgaaaa tcggaagctc ttgagcaatt caaatggta 60
taacttctaa ctgcaggc cgattgaggt gcataatata tcgagacgct cggaaattgaa 120
gaatgaaagc tcttgagcaa ttcaaattgt tataactttt cactccgagg tccgatacac 180
gtgcataata tatcgagacy ctctaaattg aacaatggaa gctcatgagc aa 232

<210> 13740
<211> 369
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13740

agcttttcg tatgtgctcc aaacanaagc gggcatggtg gtttaataag aaacctagg 60
gaaattactg ttcatgctga agagactgtt gtttcaaaga gtgcagttga gatggctttg 120
cgttgttctc acttggataa cagggatgtc ttttctaaaa gtgtacgtat tctatatccc 180
atattaatgt cccctattta attaaataca ttttttttg tttgtcattc gaaacatctc 240
tcatatattg ttttctcgta ngacccttctt ctaagaatat caagaatggt tgagagtgg 300
cgttatattc ctatatgcaa gactgaagtt atcgacgaca atttaattc caaatggaaat 360
369
catttgcgt

<210> 13741
<211> 265
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13741

cggatgcgt gaacggagag cttgctcgta gtgaaatggaa gtttgctga ttttgatggc 60

ggtttgagac ttgagagtgt acaatggaat taatggcaac ccacttatgg tagtaacttt 120
ctgcacctca caaattgctt tctgctccaa tgctaaaaan aggtgaaaga aatcactaat 180
tttgtggaa atttagttgg atgaagttga gaaaagaacc aataactatc tttgtttta 240
ttcatattta ttagttaatt gcaga 265

<210> 13742
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13742

acaaacgttc tcttgctcaa gactttctat taaccganaa aaatgcaccc atataacaatc 60
aaggcagctt cggttacctag attatttaca cgtacttcca aggtgtattt gttacttaca 120
tcacacacat ctcccttgct aaattcacat acatgcatac tcaaagcatt ttgggttacc 180
aaaaattgca catgtgcaca tcttggtatt tctaataacct atacatacac aaacttcatg 240
atgaatcttgc actatctaca caataagggtg ctacatttca tgctctttc aagtttttgc 300
tacctaaggc cgcatgcaaa ttcaagtata tttcccttcg ctggctaaaa ttgtattcaa 360
attaaaaagg atacattttt tttggtaatg tatcttcttt acatagcatg ccacatattt 420
atgtatata 429

<210> 13743
<211> 496
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13743

agtgggaggg gnnnnnagtt tgacgcctt gancccctga tgcactcgta nacctcaggg 60
cgaatacagc tcggacccgg gatcctctaa gtcgactgca gcatttatct ttcccccaact 120
cgccaggcga gctaggtgct tctttanaaa cacccgcctt ctgagggaaat tttctggaa 180
ggcccaaatt gggccttggg tgctattatg caacccctat ttttactan atacattccc 240
ccttgctttt ttttgtgatt ctttccgtt tgttacaaac tttacgactt tctaacgatg 300
catgtttttt tccgtatggt accaaacctt acggactatg tgatcaaccc ctttttgggtt 360

ttcgggatgt catggaaactt taccgattgc gcacgaacac ttccctttaa tttcaccatg 420
tcaccgaact tcacagattg tgctacaatg ctttctttg actttcgca tgtcacgaaa 480
cttcacgaat tgccctt 496

<210> 13744
<211> 297
<212> DNA
<213> Glycine max

<400> 13744

ctgctggtcg ggtcatggac atttgattat cacatcttgc actatatcat tgtaagaatt 60
atgatgcctc gttttctaa tctagctaa gcctctgagg aggatttgat tctgatgtgg 120
gatttcttga ccgatcgta aatcgactgg gcccatttga tttgtaccgc atgcataagg 180
cattgcggtc tagtgcacct ttaccctatc ctcagttaat cactttattt ctgcgtcatt 240
tcaatgtacc tcttgcttct tagccttca ttcaagttaa atgatccttc tctattg 297

<210> 13745
<211> 399
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13745

agcttgtatt agtataacttc accttgctgc ggtggcactt aacctggctc taatcctggc 60
tgcaactgac ccaattgggg ttttcagtc ttaaccttctt cctgaaccag ggatttctgc 120
ttctccaatg attgaaaactt ctttgggtc ttctttcct tccttgagac ctcttgatag 180
cttggctg attctgccgc tcgtaactta agcagcctca tctcttcct cagtcagca 240
tttccaccc caaatttccg gacatcaaca ttggttcggtt ctacctgtgc acttgcttta 300
gacaggcatt ntccatctca gaaacttctt catagtgttt tcctctagag attgttttc 360
tttnntaaga cgttcaactc atctttctct tgcgtcaat 399

<210> 13746
<211> 375
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13746

tctcatcgga gggagaaaaat agttccatat gtttaggttaa cctttggctt tcttttgct 60
aatttcatta ccatggtnngg actatccata agtgttccct tggttaaagt ttacctttct 120
aataccaatt tggaattcta actaaaaaac ttccaggaact tcaactagta atcaaaaaat 180
ggtatccatc ctttgaacct gatggcaggt tcataattgga tgtaatggat ctttatttt 240
ggggcnacaa aaggggaggc caattgggtc ttggtccttg tgaggcccag atcatgcagg 300
tggactaata tcccttccaa gtaaaagagt taccttacat attgttctat atctgtggcg 360
atttctcata gcatg 375

<210> 13747
<211> 287
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13747

agcttgtaat ctnattttat aggttccgc anatcggtc aatagctcaa ggtatgtact 60
ctgtctaatc cagccaaactt atagttgtat acactagata agaagtggag cgttcatatt 120
tcgacatttc ggcgcctat tgttatgcag tcaatcctat ggattcattc attactgatg 180
atcgcagaac tgctgctcta gccatattat ctctcaatgg aaggcatctt gttagtgcgc 240
tcttacata aatgttacat agattgaatt ctgattctaa ttataat 287

<210> 13748
<211> 398
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13748

agctttact aagttcatcc taccatcctc agactgatgg tcaaactgaa cggaccattc 60
attccctgga ggaccttttg aggtcatgtg tcttaaagca naaggggaga gctttcttc 120
attgatagag ttcacttaca acaacagttt tcactctacc attggcatgg ctccctatga 180
agctntgtat ggtagaaggt gtangacacc tctatgttgg ctaaagccct gagaagacct 240
caccttatga cttgaagtgg tacaacaaac caccgagaag gtcaagttga tccaagaaag 300

gatgaagact gctcagagta ngtagaaaag ttatcaggat aagagganga aagacttggaa 360
attcgaggtg gtgatcatgt attcttgaga gtcactct 398

<210> 13749
<211> 251
<212> DNA
<213> Glycine max

<400> 13749

tatatatggc catatatata tatatatata tatatatata tatgtgcagg gagaaagata 60
ccttggatat gcatgtatgt agcacacaaa attcacaca atatatatat gtatgttttag 120
gtagcaagat accttggata tgcacgtata tagcaaaaat atctcacaaa acatatacac 180
gtatgttttag gtagcaagat atctgtgaca cacatgtata tatcacaata cctcacacaaa 240
atatacgtag 251

<210> 13750
<211> 512
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13750

nnnnnnngcg gagannnaag actgagngct agagannctn gcannancta nggngaacng 60
agcgnggcac ccgaggatcc tctagagtca gaccggcagg tttgtatgct ctatatgnnc 120
actagaacga gagtcaccag tgatcgctct ataatttaga tcaaagacca tatttgct 180
aaacaaaata atgcaaagct gtaccttttag aatagtacaa cactcacgtt ttccttgaaa 240
atgctttaa cacaatcact ttatcattac ggagcatatc actacaagta gtaagagtca 300
ccaagacaag gtaaaaggta tcacaattga tatttgctg acctgcataa cttcaactaa 360
tggttcgaa aactttatat attcaataaa tagacaaaga taacttggc tattatacag 420
atcctataaa cagcctaaga atgtgaggat atattgtatt taattcactg tcacacaaaa 480
naaaagctca ataatttgag cagaacgaca ag 512

<210> 13751
<211> 355
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13751

cacaggcggtt tctatgggtt attcttaaat taagactctg aagatatttg ttaacgttct 60
tctcctcttt atttcccttt atatctttt gcatccgaac aatgcantta atagtttga 120
agatgggtct gcaggcaacc tattagagta aaaaagtgtg ggtgtgaaca ttatgcaagc 180
aaattatgta gttctcaata cgaaattcaa tcactgtctt tagttcgtg agtagtgtaa 240
gttgtaaaga accgtcaagt gtattggatg gaagtcaagg tacgtattat atgcttgaa 300
taanatcatc tcctacttan aagaatcatt catcaataac tcttgaacat tttga 355

<210> 13752

<211> 256

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13752

gggataaaag gagttggat ttacaacatg gtagaaataa agaaaattgc gatgatacta 60
gaagaataca gagaagattt gggttagga tattctttt tccttttatt tcaactcata 120
actagctatg ttatggcct cngtggttct ggatttcaca tagtttattt cctgcaccta 180
caagctactt cctgcacatc tttttggct ttaaaatgac cattctgaaa tgaaaattac 240
attttggat gattat 256

<210> 13753

<211> 376

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13753

agctnattat ttctctgaa gcaaaaccaa tagcgtanag aagaagaaag ttccgtaaag 60
aaaggagacg agtttgccaa accttacatc ttcacctcta agaagcacac caaagcgata 120
gacatcaaca gtgttggagg agtcacaccg agcagctagg tcgactttga cccgaggaaa 180
gataaagaag atggaaggcc agcaccgatc gaagagttat gtttattcca actcgaaaaa 240
atcctcacca actcaccgaa tagggcagaa acttgacaaa catcttctga aggagatcga 300

ggaagtgttg aaacagaaca ctgatttnt tgcttagaat gtcgctgaca tgctcgacat 360
 agaaccata ttcata 376

<210> 13754
 <211> 334
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13754

tggccaatta gagatcaatg tcaatattat tgacaatgta tatcatcaac aatacaatta 60
 ttataactcc gcanatgttg atctacaaat aatgtctcac cagtcaccat gttttaccat 120
 ttgtcattct gtttataatc tcacatggta cactagtcat gatgtaggga ttatttctcc 180
 tgaacacgat cctgcacatc tactttaca gtttagttac caactcgaaa atctctttaa 240
 atcaaaaatan attgcactaa gtcaaaacac tataaaaaaa ttgcaacatg aaatacagaa 300
 atacccgata aactcatgca tattgaagaa catg 334

<210> 13755
 <211> 279
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13755

acatgttgag aattacgtca tcttccgcgc tctctttatc tgtcatactg actntngagt 60
 ctcgccgacg gccgaatata cccgagtggt tatccgtata aactttatga tgtctataag 120
 acgaatagcc tgatagcacg cagagactaa cgtcgtcttc tgccgccttc gtcgatcgcg 180
 gacgacaagc ccgttgacac gtggagattt acgttatctt ccgcgctcac acgatctgtc 240
 atactgactt atgagtcgcg ctgacgggcg aaaataccc 279

<210> 13756
 <211> 403
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13756

attgaacaag cggaagctct gcgtgtataa tcnagtgtt ttaaatntc acacagatgt 60
ccgatgcggg gaaataatat atcgagacgc acgaaattga acaacggaag ctctcgagaa 120
atttgaatgg tcataaacatt tcactcgat gttcgatccg gggacataat ttatcgagac 180
gctcgaaatt gaacaaccga agctctcgac acattagaat ggtcgtaact nttcacgcga 240
atgttcgatt ctgggacata actcatctag acgctcgaaa ttgaacaacg gaagctctcg 300
agaaattcga atggtcataa gtttcacac cgatgttcga ttccccggaca taatatatca 360
agacgctcga aatttgacac cggaagcttt cgagaaaatc gat 403

<210> 13757
<211> 378
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13757

catnaaaggg ggcaaaacat atttcaaaga gtgatcattt aacaaagaaa taataaccca 60
actgagtaaa ttctgcttac agcggcactt tcctaccagt tgagtgacag gaatgggtcc 120
ttgtaaattt cattatatac cacttatcag atatagccac tccacaaatg atccaacata 180
taataccan aagcatacag aacgaacatg ataaagaaga gcatgtgtaa atncatagna 240
gattataggg agtgcataat tcttatacta ttagttacaa canacttcat taatgactaa 300
gtactcagaa ctcttgagaa aaagaaaaaca aatgttctag ggacaatcta atcaatata 360
gacaatcagc attaacag 378

<210> 13758
<211> 469
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13758

aggggnnnac ggaggganaa aactgatcct tacgagnnct accgcactnc tgagaangtt 60
cgccgaggat cctctgaagn caacctgaag gcttgcaacc tttatataat ggtttgtgga 120
gacccactag aggaaccact gataaacctg tgaagtcacc accgtgaggt accataacct 180
ttttttccct aatttttaatc tcggacttaa taatggagga tgaggtatg gttctttaa 240

acaataatgc catatgcatt tcaatgtaat taacttcatt accaatctta taaactgaca 300
taggtccata ggtgaaaatt atgcttaatt agctttattt acttacgtga tgagcctgat 360
atcaggagca ccaaattgaa tgagatgacc attgatgatg agaaattttt tgacttgtn 420
tgacattaaa gtgttattacc atcatttctc aataactatc gcaagttaa 469

<210> 13759
<211> 393
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13759

taagcttatac accatcgaa gccatggata aaagcttcaa ggtaggagaa aatgagtaga 60
gggagagggaa aagaaggaa taaaatntt agagagaaaa gagggagaat gaggtctgaa 120
ctttgaagtc taatttctca naaataaaag ttgcaaaata cacatacaag gtctctattt 180
atagcataag tgtcatacaa aattagaagg aaatttgaat ttcttattcaa atttcacttg 240
aatttgaatn tgaatttatg gagccaaatt tggagccaaa atttcactaa ttatgattag 300
agaatttcat ctatggttca acccactaat ccaagatcaa atccaagatt ctccactaac 360
tgtgcttang tgtcatgagg catgtaaagc atg 393

<210> 13760
<211> 216
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13760

ttaaagcaaa aaccaaggaa aggagttcca atacgatatt taaagattct cttatcaaca 60
attaagtcaa attctcttgg ttntttctt gaaacctatc acacatgcat acactaaaca 120
tgatatttagg tctagacaca atgagatata ggagtaatcc tatcatagct ctatattggg 180
taccttcttt gattcctcat ccattccaag atatgt 216

<210> 13761
<211> 467
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13761

cgcttaacct ggggctagtg gcctnnngana tcganagnna tcgaacnngc cnccgggatc 60
cttagagtcg acctgcggct tgcaagctt antagtgaaa ccngngcgg ccatctcgcg 120
agagtccctc cacgaggtgg aggtggaccc aggtcctcca tatgaaaata ataatggatg 180
ctcataatca gaatatccaa agtaccctc aataaaaggc tcaaaatgct caaatgcac 240
agaatgacct gnatgcacac tatctatgac agttctatc tacttcaaga tcaaagggtt 300
gtaaacacct gtattgccct agacatgcac tatatgcagc aatagagtgg ttctcaacaa 360
gcccctacaa tgggttaaac tacactatac tcgaacatataaaatgagca aattttgtga 420
ggacacccta aatcatgata gatagccaca aatttcaaca aaattcn 467

<210> 13762
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13762

cctccgnaat ggccaaacca tganntcgga atagtaaatac cnccgggaaat ggggagtcaa 60
gagtttatn tttggtaaaa actaggcat gaaggcctt atctcttggc taatcaaatac 120
ttaaaggta ttccatca gacttaatgt agcttcctc ttcttcttcc tcatacagacg 180
aggttatcc agatcctccc caagtctcat gagtcatttc ttatcattgg acttgattac 240
ttcttcttgc ctttggatt tttcagatataa ggacattcaat atctgaagtgg tccgatttct 300
gctctctagc atatgatgaa ctcttcctt taaacacactg taagaagaat tcttcacatc 360
tttacatctt ctggatgaa gagagtctc ttctcctcat cttactttaa ttcatcttag 420
atgatcttcc tgcttan 437

<210> 13763
<211> 319
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13763

agtttatgga gcttactgta ggacacgaca agtctcaaac gacaatatgg ccctcattaa 60

attccgattt gatttctctg caatgcgagc agcaaaaacca ggaggaagtg cagtccttct 120
ttctaccaat gaattctaaa acttgaacaa tctgccatat agatntccaa agattcaata 180
gagatcaata ttcaattcag agaatggta agctaaacat gatcactata tataatata 240
aataacgtcc atttcaaattg gtatattttg gttgttgcatt aatataatgtat aaaccttgaa 300
tgccatttgtt atacccttt 319

<210> 13764
<211> 268
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13764

ttcttctttc tgccatttatca gagctagata aagcatcaact tgaatgtgat cttagttaa 60
ccacaacatc aagaaccttc ttttgcacta aagaagcttc atttgggtt tcagcctact 120
tagatgcagg tttaagttga catgttggaa caacctcatc atccttggtt gcattgaact 180
tactagagaa ttagtgcattc ttatcaactt catgcattgc accagagata atgagatcaa 240
caacgacctt attaatcttg gcgatata 268

<210> 13765
<211> 325
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13765

agcttattga catccgtgac tngatcttaa gogaagatgt tcgcaagaga gatntangag 60
aatcttccaa tcatgtntcc anttcagcat ttgatactga aggcanggga agtactaccc 120
aaaatgatgc aatcctaccc cgcaaggca ttggctagaa gactccaagt agattggct 180
agagatccaa ggaaaggccc tagggttctc atgagcctta ngtagatnt cgagccatg 240
ggctaagtat gagcccgctt atctttgtaa tattagatan ggtattcctt cgtctagccc 300
tgtatTTgg ctattcttagt agtat 325

<210> 13766
<211> 323

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13766

agcgcggtc tgagagacga aagttatgtg gtcgttatat acgaagatga tgnccgagt 60
acattggatn tggtagcacc atgcctcct gattccagc tggaaattg gcgagtggag 120
gaacgcctg acatttacgc agcgagcata atgtaaacct ttacggttt aaaagctcta 180
tagtagggcc taggctttag agttttcct tttgttaaag ctgtgtgtct tttgtcttg 240
aatttataat acaaggacct ttcttcatct gttcctacgt ctctacccat tctcattcat 300
ttgcatgttt acttctttt cta 323

<210> 13767
<211> 378
<212> DNA
<213> Glycine max

<400> 13767

cctatatccg atagccgatg ggtgagtccc gtccaggtag tccccaaagaa gactggcctc 60
acagtgatca gacatgagaa tgaggagctg attcctactg cggtgcagaa cagttggaga 120
gtctgcattg actataggag gcctgaccag agcacaaaaa atgaccattt tcccctgcca 180
tccattgacc agatgcttga acgcctggca ggtaaatccc actactatcc acatgatggg 240
ttttctagtt atatgcaa at tactattgct gctgacgatc atgaaaagac cacattcacc 300
tgcccttcg gcactcatgc ttataggagg atgcctctcg gcctgtgcaa tgccctggta 360
cattccagcg gtgcattgg 378

<210> 13768
<211> 285
<212> DNA
<213> Glycine max

<400> 13768

atccaatatc atgctcaata tgagctgccc tgacatactc tatatgcattt ggaccatcca 60
agaaaaccta acgtgtccac aacactttac tttagaaacta gcataagtgt gagtaccctg 120
tctgcacatg cactcccccg tcccctcactg agataacctga tctaaggagt tctaacaatg 180

aatgccctaa acatattctc tatgagaaaat acagtcttat gacaagtata ctattctgta 240
ttgaatataa acatgcacat aaatgcctga tgtgatataa agatc 285

<210> 13769
<211> 504
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13769

agggggacgg gngnnnnnngg ttttagtccta actgannctt tgatncttac ngnanancn 60
ccgggnattt gnaanggccc cccggngatc ctntanaggc gacttgcagg cntgctttct 120
ttactaatng ngaatatgng agagaggaaa tgtgcanacg gtgaaggaag aggaagtaag 180
gacactacca atcaccatt taaagggttc cacaagagcc caaaaggtgc gaagataaat 240
ataaataaac gatatatata tatatatata tatatatata tatatatata tatatatata 300
tatatatata tatataaaat ttctcttaact atgaaaaatc atatacatca tgccacttat 360
catatattca ctccccatcta tgctatntct ctcaataggc attggataga atttagtac 420
caccaaactt tccctatttt tgtataaaaaa acacacgggc atattacagt gttttatatt 480
gtacagttct caagagaaaag caac 504

<210> 13770
<211> 376
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13770

atgctcgaa tgtaatata aatgagatgc cgagaaaaca ccctattcta ttaaccatgc 60
tttagtccc tggtaatata tttgtttaa tgaacgggtt atgacccaac acggaggctc 120
ggggggcccta cacatgaaac taaaatgta gtgtgaagtt tcacgctnn cccttttttg 180
ttttgttttg tcgaggacaa cgcgaggatg nagcaacatg aaaacaaatg gtatgcaatt 240
ttgcagatca aaaagttgt tgaacgcata tgcatgatga tgccatgact catggcaaatt 300
gtgaggctgg aatatgataa ccgacaaatg caggatatgt ccattatgat gttatgaaga 360
gatgcctatg ccatgn 376

<210> 13771
<211> 188
<212> DNA
<213> Glycine max

<400> 13771

tgaggtcctt caatggtgat tttcaaccat ggatatgtag tgaaaataa aggagaagag 60
gtgagaggag ggcgcattca cttggaaata agccatggaa ggaggagctt caccaccaag 120
agagtgcctt gataagaagc ttaaagagaa aacttcaatg gaggacaaga atgagagaca 180
gagagaga 188

<210> 13772
<211> 399
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13772

ttagcttac tcatgtcaga caccctaata tcagcagttg caaacaatca cagtttactt 60
gggc当地 taaagtggaa ttaaacaagg aatatactta aagtgcataa aaaagttaaa 120
taatgctcaa aataggcaat cctagcttaa atcttaccct ttccttgatg tcacccaaag 180
ttggcaagta cagcttatag aattcctctc tgaatgcaac cacaaaccta aataaagtt 240
agaaaccagc tagaataaga caattagaat ctgtntgatt ttgaataaat ttaagggaca 300
acangataca tctactatata tatagtatct tcactttaa aggactaaag acgaattatt 360
gaccataatt gatatattat catttgtata tcactaact 399

<210> 13773
<211> 281
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13773

aaacaccgccc ctgtgaatca tattgttgc aaaaatcagc aacaactctt gtagcanaaa 60
tccccaaaaag gtatttatgtt gtaaaaaat gaaaaagaac agaagagaaa gagaaagaaa 120
tcagcaccaa ctcttgtaga acaaatggca gaagataatt taaaaaaaat gagaaagaag 180

agagttagtaa ccttaagttg gcatcgacgg aggagccccc gaagacgatc accgtagaaa 240
tcttgatttt tgatatcgaa aacattcaga tgacaaaaaaa t 281

<210> 13774
<211> 235
<212> DNA
<213> Glycine max

<400> 13774

aacggaaaa attaagagag aaaaattaca aattcctata taatttaacc ctcaaaatat 60
actcctaatt agaagttatc aggggtgca tcttgatttt gttggaccct aaataagagt 120
cttaggaagct caacaactgg aagccaaatg cggtgtccat aggcttgcg atgctatgca 180
gaggatacgt atcttggga cacacttgt taaggatgt gtagtcagtg caaat 235

<210> 13775
<211> 309
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13775

gtttagaacc aatatagttc attagaccat attaccacag accttataat agtttaccct 60
ttgacaaagg gattatggcc caaaacattt atagaacatg ttaaaagtat gaggcattatt 120
ggtatttgcg atcattaagt gtaatttgcg ttatgccatt tagtgcact ctgagctcat 180
ttatgcatgc gttctgatgc cttgttgcgc atgtttgcgc gcataatgtt attagaataa 240
tgttaatagg tttggattt aataaagaca ttatactgac caattatgta ctcctaacta 300
atggcata 309

<210> 13776
<211> 307
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13776

gaaatttattt aaaaaattttt gttccgtgaa gaaaatccaa gccgaggcac ttccgttaacg 60
tttccgttaac gttccgtgg gtgatttcgc gaaagttnt gaccgttctt cgacgttctt 120

cattcggttct tcatcgntct tcgggtttca actggtaagt tccctagatc gaactttca 180
attcattcta tgccaccctta gtggtcctca ttgttnaac gtgctctcat ttacattca 240
tttattttcc gtacccccc ttgacgtgct taagccattt atttaaagtc atttctcgct 300
taatcta 307

<210> 13777
<211> 193
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13777

actcctcttt cagaaccatg ctatgtgctc gtgactggtc cctctttcc ctgcgcagct 60
tgagttcact attgctaccc catagagctc cgcgaaatat attccggcca tactttccct 120
tgcgagcnct ctgggtctct tttcaacgg ctcttgcggg aattgcattc tctttccggt 180
acccggcaca ctc 193

<210> 13778
<211> 357
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13778

caaatccctt gggataaaagg tagtgttgc atgtttcaa agcccgtaact aaagcataaca 60
actccttatac ataagttgaa tagttaaagg taggaccact taactttca ctaaaataag 120
caattggatg gccttcttgc atcaacacag ccccaatccc aacatttcaa gcatcacact 180
caatttcaaa agattttga aagtttggca acgcaagtat gggggcatta gtagcttt 240
gcttaagaac attgaaagct tcttcttgc tctctccccca tttgaaacca acattttct 300
tgagcacttc attgagaggt gctgccaatg tgctaaaatc cgtctataaa aacttgc 357

<210> 13779
<211> 186
<212> DNA
<213> Glycine max

<400> 13779

tatttatgac ctctccagca acaggtacaa tcccgatgg aggaatcatc ctaaccttag 60
atggttgaat ctttcacaac agcagcagca acaacaacat acttatttc aaaatgctgc 120
tggcccaagc ataccatacg ttcttcacc atccagcagc aacaggcca aaaaacagcaa 180
acagtt 186

<210> 13780
<211> 272
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13780

caaatatgca tgtgaattat gaagcatcaa caacactcaa gccgaagata ttgagcaagc 60
aatcagtgg gcaaaacaca ccataagatg atgatgatgg atggctcana ttctcacaaa 120
agtgaacata tcactttcaa attgagctgt caaaactatc atgacatgtt aacgaataac 180
aatgatttca gatcacaaaa tgtgaagaga cttgtatgg tagaacgatt acccatttct 240
taaacacatc ctataattta aagaaaaata tg 272

<210> 13781
<211> 349
<212> DNA
<213> Glycine max

<400> 13781

aggccctgat caattctggc aattgcacca tttgttaagtt ttgcttctt tgatgcttg 60
acatcattcc attttcctt gcaacattca tgaacagcat gcatcatctc gtgtatgagaa 120
gtatacgcta cgcatgatcaa aagaactctc tggttgttgc gagcagtaac ttcattgcc 180
ttttgcacag aacatgagaa cattaaattc aaccttatgg ccataacctt cttacatgta 240
tctcttctt gcataccctt gattccatc catgtgaaa gcaatatgac ttggcatagg 300
aaccaccgat aaaatggca acatgcatct tcttatataa caatataaa 349

<210> 13782
<211> 517
<212> DNA
<213> Glycine max

<223> unsure at all n locations

DNA sequence database

<400> 13782

acacgctcgt tganacttt gatatangcga aacacagaan acnacnccng cgcgccagtc 60
ngacgggagg acaggtgaag gagannctt ttttatctgc accggcnnga cacaagcggg 120
ctaataatca tagaaccgat cagaatctgg aaaaccctgc ttcttcacga gtcaatgaaa 180
attgcttat atttaattc tgcgttata aaacgaagga tcaacctaca ctattgagtt 240
gtgtatttct gaaacattct ttttctagtt tagtcatgag atagtcccta aaacatctca 300
tatcttatat aattatcact ctattacccg cgtggccagg attcaccctc tgaacccata 360
ccataaccctg gttcaatgac ctttgagtg tttaaaacat tgggtgagta ctctgggtgg 420
ctttcctcat aatgaattgg gtaatgttgt ggcgttgctt atgagttaca aaccacaatt 480
taaccattca ggctttact cttgggtgtc caatccg 517

<210> 13783
<211> 390
<212> DNA
<213> Glycine max

<400> 13783

agcttcatt ataataaaact aagcaataaa ctacttcata tttccctgt gtgtgtggtt 60
gtcgtgcaat cccttctaca acttgccatg caacattgcc ttgatcaaac ccaagagcaa 120
gccctatggc caatctatca ataataacag aagcaacaaa aataattaga ttcatgataa 180
ttttcttgc acctaaatat gaaataaaga aataattaat gatataattg atcgggtaat 240
catgacttaa tttttaatt atcaagattt atcttattaa agtaattaat aagagttcca 300
aattgaaaat aatagtagtt attgaatact accaatgagg attccaacat gttgaactt 360
atgaaattgt attattgaga cacacactct 390

<210> 13784
<211> 478
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13784

acataataact cagtagtcct tgctacaagg gaaacttcg aaaaagaaaac canactgnct 60
tacatattcg ataaaaaaaaac agaccaaata ttttttcag gggaaagacc acaaaccagg 120

attggaggtta gctgccccctc taggtcaaga agaccccttgg caaaaggcgc tgcagacatc 180
tgtttaatat gggcatgaa aaaatggctc acatatgatg ccaaaggaca aattaggctt 240
ataaaacaatg cctagacatc aaacacttcc aaaatgtata aaaatgtac aaccaataat 300
gaaaaccact tagccttctt atgattaagg tgagcacaac tttaggccat acctgcacac 360
gaccctcattc agagctgtaa atcttgagat catgacggta tgtactatgg aggcgaagaa 420
gccctgtacc ttcttcttgc atttaaacca cacaaaaatt tgccttata catactac 478

<210> 13785
<211> 361
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13785

agctntttta atcagaataa tccaaaaatg tcaaagaatt gtgtgttcaa aaagcataac 60
aagactttct gtgattggaa taaagataca atcttgcag atgagaatgc ttcaaaaaca 120
ttaagaaagc tagcagatgg gcctaaaaga aatgttataa cttggcaagg atacgacata 180
aacaatatt cattn tacac aaaagcataa gatgacaaaa gtacaatgca gaatatccgg 240
gtcacccctaa gggctgaatc ttaacacttt gcaagtgtga atgacgccc ttccatgtt 300
gcttcattc cttaacttgg gttcatcgaa gaaactttgg agctcaacta tgtgaaattt 360
a 361

<210> 13786
<211> 329
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13786

ngagacatat agattgaatc ctatgtgact cttaggactta gnttaatatc tgtcaactgg 60
tcatgagaat tcatgtgaaatc agtgcataatc tccttggaca ataatttctc tcgaatgaaa 120
tgataatcaa tctctatgtg tttatgttt tcatgaaaga ctggatatga ggcaatgtga 180
agagctgcct gattatcaca gtataacttc atttgcacca cttcacaaaa ttccaactct 240
tggagaaatt gtttatcca cataagttca catgtaacca tagccataga tcgatattca 300

gcctctgcac tagatcgagc aacaacagt

329

<210> 13787
<211> 460
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13787

gagagaatga tgacttagta ctaccggcga antcagctcg ggcccgggag actctataga 60
cgacctgcgc gcgtgcgcgc gctatgtgag gtctcatcag agacgcgggc ctcgtgcggc 120
acgtgatacg taccatcatacg tcctacaagg ttgagattag gagatgtgga ccggagaaac 180
gctctgcatt tgtcgatcac cacgaagtgg cacctaaaga catgtcacat gaggcaagaa 240
ggcttggaa gcgggtgagg ggcgctactg ccacaaacgg tcttgtacga tcccgacgca 300
acccgtgcatt taccagaaac tgataacgag tggatgat atccagtgag catcctgcga 360
ggcgcgggac cctaggaaac atgacgacaa ccccccgcag cttgttggtt ctgggcaact 420
tgtattcttt ggaacaacac gactgtcgcg cttaagaaaa 460

<210> 13788
<211> 501
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13788

agcgattatt atactttgta nancngccga ccaagaaaact cagccgtggc ggcataaaag 60
cggggtccaa ggagccccac atttttgtc cacngncacn ccacncggcg gaacttgaga 120
agccaaccga aatataatcc aaatgagcta aaacatttat gcaccgtcaa ctaaaactat 180
ataacaaatc acttgctaa tataatgcac agctcaaaac actaaccgca attctttatt 240
aactcaccac catgatatat acataattat aagagaatat gactcctcgt taatagagca 300
tctctttatac actccttaca catgacgcaa ccgcgttgg actatactag tcagaagtca 360
aagcgacacc gaatgatgat gacgatctat atttgacgac aaatcattcg ctccttact 420
ctctcaaagg ccggagtcta ccaagggtcc aactaaaaca ctcatgacat ttgatcctgg 480
caccaatact caggccgtac g 501

<210> 13789
<211> 226
<212> DNA
<213> Glycine max

<400> 13789

ggtgatgaa aaacaaggag agaatctcg tcatggatac ggacaaatat ctgtctgaaa 60
tttctggct gagtgacgag agagaatact tcttttggt tttaaataaa gggctccctc 120
ttttctatt attttatata agctatgccca catgtccccca tttgaatgga actataaggg 180
cccactttct ctttgattgt gaccattct catccgc当地 aattga 226

<210> 13790
<211> 316
<212> DNA
<213> Glycine max

<400> 13790

tgcgcgtccc gagtacgata gccggcggtt taagagcgct gagcaccagc agcatttcag 60
agccatcaag ggatggtcct tccaccgaga gagacgcgtc cagctcaagg acgacgagta 120
cacagattct cgagtttac gccaatgctt ggcctacaga ggagggcgta cgggacctcc 180
agtcatgggt aaggggccag tggattcctt ttgatgcaga cgcctcagt gtgacatcct 240
tcaaatttct acctgagatt tttggagacg atgtatgg aattattata tataatatct 300
gttaggatta ttccagc 316

<210> 13791
<211> 207
<212> DNA
<213> Glycine max

<400> 13791

atgcagcagc tttttctat gcgggagcgc ctctagttca acacccgctc agcctaagca 60
ctccccacag gaagctccca agttccaact ccgaacgcga ctctaccggc cggtaattcc 120
aacacgacaa ggaatttccc ttcgaggccg ttgccgaaat tcacccgct cccaatgaca 180
tacgaagatc ttctaccatc cctcatc 207

<210> 13792
<211> 267
<212> DNA
<213> Glycine max

<400> 13792

cctggagtaa tgggttattc aatcgaattt acctgtactc gtcctccttg ggattcttgg 60
ctacatttcc aacatacact aaaattgtct gaaaggccct tctgactctg gcacccctcac 120
cctatacaga cattttaact tgatctgatg aacatttgac ggataaacga agacccaacg 180
attgtaatta tcacatcttat cagaaaagta acgtcacaat tctattacca ctggacagga 240
aaataatata cgtgagctct tataactt 267

<210> 13793
<211> 288
<212> DNA
<213> Glycine max

<400> 13793

agcttgggt gcaccatcgcc cgaccgcac cctagtagcca catgtgatgg gtacccata 60
atcctacaag cttgagatga ggaagtgtt aagggtgaaa cttcctgctt ttattgttga 120
ccacagatg gtacctggag atatgtcgcg ggggtcagga gaccttgggg acgtcaggtg 180
gggtgctatt gcccaaacc aagcttgacc aatcccgacc caacaccggc atagtcggc 240
agtgagaacc tgtgatgtac ctttagcaagc gagctccttg cagtcaac 288

<210> 13794
<211> 455
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13794

tctntgagan aacttccttg agaagctaga gcttatctac tcacaccct ctcataacta 60
agctcacctc cttgagaagc ttccttaaga agattcctaa agaagctaga gcttagctac 120
acataacctct ctaatagcta agctcacctc cttgagatga gaagcttagag cttagctaca 180
cacccctat aatagctaag ctcacccca tgacaaanaa catgaaaata ataaaaaaaaa 240
agtccttatt acaaagacaa ctcanaatgc cccgaaatac aaggctaaaa ccctatacta 300

ctagaatggc caaaaatacaa ggcctagacg aagganaaac ctattcta atttacaaag 360
ataagcgggc tcataacttag cccatggct cgagatctac cctaaggctc atgagaaccc 420
tanggcctnt ccttggatct ctagcccaat ctact 455

<210> 13795
<211> 235
<212> DNA
<213> Glycine max

<400> 13795

tatctaacgc ttttaaccta tgacttgta caaacctcct tgcccggtt gaatttgttc 60
ccatgccttg ctaaagtgga gacaacaagc tggtgccaaa tcaaaacttc cgatatctca 120
tggatggatg catgaaggaa tgcataataac acagatgcaa tctaagaatg cgggggtccg 180
gggaattcgt ccccttctta gacacaacgt cttagggtag caaagtgccc caacg 235

<210> 13796
<211> 334
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13796

cggttccaa aaatcttagt cttcaaaatg ggtagtcatt cttgcagccc ataggtcgta 60
ctcctcacca tcaaaaactg gtgggttat tatgtgtgt gtgtctgctt ccattatgg 120
ttctctcaac tcacagatcc ctcaagatga tgactctgat accaatttgt tgaatattag 180
atcaaaaaca gagaagagca catatatnta tgaaggatac atagttgtta ttcatttgct 240
cttggttaga gttaaatata caaaacnaaa aatccctagg catgactaaa acagttctta 300
gtctgataaa aaacaatatc agaactccta caaa 334

<210> 13797
<211> 306
<212> DNA
<213> Glycine max

<400> 13797

ctccttcttc catggctaat tcccttagtgg atggtagctc ccctttctc ttctcctttg 60
ccttccgttg catctccatg gtgaaaaatc accgttgaag gacctcattg aaactcaaag 120

atccatcctc catagaagct ccacaagcaa gcttccatca agtggtatca gagcacaaga 180
gcttcaggta ggtgctcctt aaacctccat taaatttttgc ttacaccttc tcttcatttgc 240
gtgtttcttc atttttctcc atgtatctcc tcacatgtct tgtgctaaat gtttttaaca 300
tgattc 306

<210> 13798
<211> 392
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13798

ttaattnctt gcatggctta acatgaaata tcaaataatat tgattggcgt aataaagtta 60
atttatttgc tagcttaaca tgacttctta tgcttagattt gtgtgttatta tttggaaatta 120
ttgtatttcc tttatgtttt tgtgtcaagg ttaatttctt caattgtctc attttttatta 180
atcagagtcg tttccccctc ttaggtgca cactacaatg ggaagccaaa tatctattct 240
tatgagggag caactgtaaa cgatctaac tctaagtact aactactaat ccttntgtt 300
gtagtgattn tgatactaga atgggcttaa ctgtttaaag tgactctagc atgtaagatg 360
aataaanaaaa tagaaattgc tagtgacat tc 392

<210> 13799
<211> 317
<212> DNA
<213> Glycine max

<400> 13799

agtgtacac agctggaaat gacagaaaagc tcggccgttca acattctctc tctaactccg 60
attccgatcc ccactctatc ttcgatgacg agctcaaact cgtgcgtatt cactctcg 120
ggtaattta attcaatgtt atttggaaaa taaataatga cttgattgcg gttttctatg 180
aatggaaatga atcactatgc ttgggtgatat atttaagtgg agaatgcgtc gaggaagaaa 240
ttcaagtctt acagggcgtg gcatcataga aaatgggtgc tcaacaaggc gcgttcgtcc 300
atagacaacg aaatgcg 317

<210> 13800

<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13800

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aaagaaaatat ctttgacaat tggcattt ctcttgaact tctaaattgt cgtatgataa 120
attgattcac tctggattac agaagtttat aggctcggt ttcaaacttc taatcttcc 180
tctcatcaca ttgatcatat ctttacagac ctgagtgtgt gttaaacgtnt ttttagatgga 240
tattnatgg gctgaatgac agtgaagtat gaatctttt ctgtatgtgc tataactgctt 300
ttaaaggcatg gtttgaatt atggggaga tatattcat tgaatcacat ctgactacgt 360
acctcattga atcaactaga tgtgtctaca ctgaaatcct catacccttt caa 413

<210> 13801
<211> 613
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13801

ngggcttata tgggnnaag gttcanagn nnactnntgc tganagcnca tannnnanaac 60
ataccagcan gctgggcant ngcgctcgtc atggtcagac cttctatgtat agagtcgcng 120
acggngtacn cagtagcnnt cgacatntcg gcccggtatt agtcgaggc ggtngtgnac 180
canatntcac atggagcccc gtctgttctt acanaccgt ctagacacctg gnnngaaaac 240
ctctggcgat tacgccaacc ttaactcgcg ctttagcagtc acgatcccc tttcgccaa 300
gctgagcgta agtagcgata gaggggcccc caccgagtcg ccctcccaa cagttgcgc 360
gcctgaatgg cgaatggcgc ctgatgcgtt attttctct tacgcacatcg tgccgttattt 420
cacaccgcat atggtgact ctcagtaaa tctgctctga tgccgcatac gtaagccagc 480
cccgacacccc agccacacccc gctgacgcga acctcttgcg gcgaaacaa tataactta 540
gtaaataaga cgatcgaa cgtctatacg tagggtcccc gcctccgc tgctatgcac 600
ggtgagaaaa ccg 613

<210> 13802

<211> 341
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13802

agctntatct ttacactaag taagttgcc aactcaattgc gtgcaagtca acctttacct 60
tcatctgttt tgcatggttac aggctgcaca ctttgtggtg gagctcatgg gtcagcttgt 120
gtattcccac tgacgaaaca tttcatgaag ttaattacat gggaaaccag cctagacaaa 180
attttaatgc acgtggattt tctggatttc aacatggcca atcttaccag caatagaatc 240
aatggagaac tcaccctggt aatcaattca ataaagacca cggtgggtac ctgacatgcc 300
acagcaacaa tggcctaact tatctgagag aacaacaaaa c 341

<210> 13803
<211> 483
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13803

gacactataa tactcaagct taaattgaat taaacgttaa taaatgctgg aatcttattc 60
tcatatatgt gtaatcgatt acacagtgc aattttgaat tcaaatttta atagctgttg 120
caaatcagtt ttggccactg gtaatcaatt acatcctctg gtaatcgatt accagagatt 180
aaatttcttg taaaagactt tttaacttaa atttcttggc caaaccttt gctacttcaa 240
ttggaaattcc ctccttattt aatataccct ttcttaagact ctaaagactg tcttgatcat 300
tcatcttgaa taaagcttg agacgcgtgt gatccttgg catcatcaaa acatcagctt 360
gatccttggt ctacacatgt gatccttgg catcatcaaa acatcagctt gatccttgg 420
ctacaatctc ccncttntg atgatgacaa tcctganatc aagacaagct atatgcaaga 480
tga 483

<210> 13804
<211> 336
<212> DNA
<213> Glycine max
<400> 13804

agctttatcc tttaataata gaacttatcc cctaattgtca cattctatca gagtgttgtc 60
ttcctgtgtc ctctagcatg aggttggta tagtcatcca cctattcatc tgctcccccg 120
aacacatagt tcaagatcat cacaggatcc aaacacaaaac aacacgcaag gagtgagtt 180
tcacattcct aacctatgaa gagaaacaag ataacatgta cgtgtaaata tcataaaaa 240
agatacaact tacttagca tcactcacgt tatttcacca ctttgcgtca taatattacc 300
ctcgcacacc acacattca tttatccc caacat 336

<210> 13805
<211> 396
<212> DNA
<213> Glycine max

<400> 13805
gacacataat actcagctta tataaccctt accatgatag agataactgg tggattgtt 60
catcaattgt agtggttctc tgcctattat gggtggcat agaggatgta agcttcata 120
gcaaaggac cacactcaat cttgcaactc ttcctgtgc tgggtctt tatggttact 180
gctactttgg acatgctgtg ttcccaaaca ttatacatc catgacaaat ccaaaccata 240
ttccctggaa tcctcttagc atggtaaatg accttttagct ataatctaac tcagcttcca 300
ctagtccact cactaaatat taaatctcct caagtcctgt acaaattgca atttacaaat 360
atagtcaaaa gatataatta tttggcttac gtcaac 396

<210> 13806
<211> 211
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13806
gctgtgcttgc tcaaataatn gngaaagaca agtgaagac ccgataaata cctacaaaat 60
agttcacggg aaggctcac aactattctc ctcttgcgtat gaatgatatac agtagaaatc 120
cttaataaaatg aggtgtacat catagagata ttccaagtct aacatccacc aactttgaaa 180
caaaaactcaa gtgagatgaa aaaatattat g 211

<210> 13807
<211> 325

<212> DNA
<213> Glycine max

<400> 13807

tgccagtcac tgaggaggcg tgtggaaatc aaatgactga actacacgag tccaagttaa 60
aggaggcaaa tggactagaa catttgcgtt aaaaaggctta aaggcttag atggagtgtg 120
ctcatagtc aaatgcgttc agatggatgc ttcaatagat atggttcct ttaccactcg 180
ttcagtgaat aagactttag agaacggaga aagcggtgta tgattaccga ghatgaagga 240
cagagggaaa cactatgcat ccatcaatgg gtcccttgta gtttccttc tgaacctatc 300
aagggttat aaacatggag gtgga 325

<210> 13808
<211> 331
<212> DNA
<213> Glycine max

<400> 13808

aataatattt ttattcctaa atactagaaa catagactct ttcaaataata ttaatttagac 60
atttatagaa gaaacaaata gatgcatttt taaaaatgat tttccataat tataaatgta 120
cacttacaca ttacagatat cttattatta tctttaattc ctgtgttagcg cactttgtac 180
tatcacatta tattacctat tatacataca cttcttttc tttttctgt ttgggatcct 240
aagtgtgaac taagatgaca tggatgtt ttcagtattt ctgtcataat tgtaagtgg 300
ccgaattttt ctacatggat taaaatacac t 331

<210> 13809
<211> 290
<212> DNA
<213> Glycine max

<400> 13809

cacgaagata agtgcgtgt atatattttt ttaattctta atatatctat tacttactac 60
cagtattttt tttttctaaag aaaaaaaaaa cttaagatat ccacaggcca tgtacatcgt 120
gtcacaatag gatgcttcat gggatcatt caatttcatt taattatatt gggtagatt 180
ataagtattc ggattaattt ccacacaacc gaattaagat tcgattataa ttaagtttgt 240
aacgagtctt atgtctataa ttgtaccaa tctaattccgt atcatataat 290

<210> 13810
<211> 260
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13810

gctttatata agccnactcc ctttccaaat ctgattcagg cttaaatagg tggcttttg 60
ttcgtgctcg tacacttagc gcaattctga accgcttagt gcgcattaat gaatnttggc 120
ttagcgcgga ttttgttgc catcgatgg actgaagtgg tgcacttaac tggaagaccc 180
ttcgctcaat gaacatggac aaatcatgct tcttccagat tcttactaaa acttagccga 240
cgaaacatgc gctcaacgga 260

<210> 13811
<211> 303
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13811

tcatgatgat gaatcaagat tcatgcaagt ggtnttgatt angattacna agatgatgac 60
aaaaagcccg agagaatgag ttcaagattt agtcacgaac acttcaagaa tcaagagaaa 120
tttgatttca agtttgaaga atcaagaatc aagaataatc aagttgaaga ttcaagaatc 180
aagaaaagac tcgataaaga tgactactaa aaagttttc aaaacattga gtgcacatg 240
atttttcac acaatctttt accaaagact ttgtactctc tggtaatcga ttaccagagt 300
att 303

<210> 13812
<211> 274
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13812

agcttgcntt tactatcgta agtcattntc aactaactat tagaattata tttcaatatt 60
ttgtgaatgg catatacaac tgtgtgtttt ctgtgcagga ttccttgag gagaaagcga 120

cacaggatc ctttgtcccc catggacgtc aggatgttct caccgctgtt attggatgtc 180
cagagcaccc tgtacatgtn cgtgctgctg gagccagtgt caccatcaag caataactctg 240
gatctgctcc acggatgtcc cgtagcttt cctc 274

<210> 13813
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13813

ntagttatga ttaagacctc aatcgacaat tagtcgcana ttctacccaa tgggttgaag 60
tttgtggaga tactataggg ggcataaat gtcttaatta tggtgattac caatttaagg 120
ggaaaaaaa tctaataaca atataatgcc aaaagaaaaa atataaaaaa aataaaaaat 180
aacaaagaan agaaagtaaa aaaaaaaaaaag aaaggaaaag ataaaaagga aaaaataata 240
aataaatgtt aaaagaaaaa ataatgtaaa aagtataaaa aaacatgtat ttataataga 300
aaacatatga gctatttagat tagttgcaca tattttttt aatgttgaaa gtatatttt 360
aaaattgaaa gtgggatata nttttaaaa ttgaaagtaa aatgccttt tag 413

<210> 13814
<211> 331
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13814

ctggtccgca actagttgct ctaactaagt tcatttgcat tatggcaaa aaacttattt 60
agttaaagat gtatcattaa ttaaccataa agatatgaaa tagaagcggt gtaattaata 120
atgaattntg caatataatt gaagatgaat attgaaaaag atgatcacat gtatgcattg 180
acggattcaa gggatcgag cgtatacaca gaccagtaaa aaaaaaaggc gtatacacac 240
acgtataactt ttatTTTGT ttacatagac cccatatac tatgttacta ccacgtagta 300
atattggtgt attataatata aacaatcata t 331

<210> 13815
<211> 343
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13815

ttatcaaacc actgctgtt cacacttca cccccaaaaa tatttgagta ctggcatg 60
agtcaacatg catctgacct tctctgttagc ttgaggccgg gcgtgaatat catgcattt 120
agtaagagtt ttcgtatacc agtttataac tatcagcatt ttacttngaa aaattgttta 180
ttatttgaat caaatgatac gtattacgat ctctgtttt tctgttatat aaagataatt 240
caatntgaaa ttgcttgaa gcatctattt ataaattcta aaatgtggac tgatatagtg 300
tcatttcaac attcttattc agccacatta acacttatta ttt 343

<210> 13816

<211> 346

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13816

ctagagcggt tcccttatgt tatcaaacat aaaaaggat aaggtaatat tgttagccat 60
gctcttctc ggcgtcatgc attacttct atgcttgaaa canaattgat tgggcttgaa 120
tgtttgaaaa gcatgtatga aaatgatgaa acttttgag aaattttta aaatagtgaa 180
aaatattcag aaaatggtgt ct当地tacat gaaggcttc tttcaaaga aaacaaattg 240
tgtgtgcgta aagtctacta caaattgtt gttgtgaac acatgaagaa gttaaagggg 300
catttgggt ccaaagactc taaaacatta aaaacattt atggct 346

<210> 13817

<211> 225

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13817

atattatgca cccgaatcg atatcctgt gaagagttt gactatatga atnttccgag 60
agtttccgat gtttaatttc gagcgtatcg atatattata agctcgaatc ggacatccgt 120
gtgaaaatnt atgaccattt gaatttctca agagcttccg ttgtcaatat ccagcttctc 180
gatatgtgat ttgcctgaat cgacatccg tggaaatgt ttacc 225

<210> 13818
<211> 341
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13818

taattaacaa gtgggtggat aatggccacc cataccctt ttagtagtat tttgcgtaa 60
ttattgtata tctgctatac tttaaatnt tggttgct aatttgtga ataaattatt 120
tttagacta gaagtatagt cttatactt gttgtattt atcttgctt gttatgtgt 180
tatttgaag gaagtacttt ggagagatga tttgatgcgc tatcattgga gcctgangaa 240
tttgaatct ccgaagcact agctcgctt atgactaaaa tttaaacctt ggaccttata 300
tttgtgctcg cttaacgagc aaccctgaga gtctggttgt t 341

<210> 13819
<211> 331
<212> DNA
<213> Glycine max

<400> 13819

ctctcagcca ctaatgatag ccggcgatga tcccattact gctccctta agctcttgt 60
ccttcctttt taccaccccc catgccttgc ggaccttctg aagtgtctcc acgttggct 120
tattgaagcc ttatgaaatg acaggcgcgaa gcccattctc tagtggcgcc cctctcatag 180
ggtagccaag ttgttttattt gcaagaatgg gattgttagct gatgcaaccc ctcgtcacca 240
tcaagggAAC atttggaaat cctccgcattt aaataagaac tccgattttt ctttccttcc 300
atcgagggaa ccagttgaca gatgctcattt c 331

<210> 13820
<211> 369
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13820

aaaaaaaaaaa tgaaaaaaaaa gaaaataaga gaaagaacaa aaatcaaaca aaaaaaaaaaa 60
agggggtgac ctgaaaccca naanananng ggganaaaaa naaggagaag anattttga 120

aaaaaaaaaaaa ggggggggga aagaaaaagg aaanaaaagaa aaagaaaaaa gaaaaggaag 180
aaaaaaaaaaa aaaaggaaaa aaaaagaggg aaaagaaaaa agagagaaaa agaaagaaaa 240
aaaaaaagaga aaaagaaaag ggaaaaaaa gagaggaaaa aaagaaaaag aagaaaaaaag 300
agaagaaaag agaaaagaaa aaggaggaag aagaggaaag aagaaagaga aaaaagaaga 360
aaaaaaaaaa 369

<210> 13821
<211> 310
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13821

caggcccgga gggattatg atgcttactg acggccccca taattccgaa gagtttgaag 60
gaaataaatg aaataatggg ggagacgtta tcagcacaag acgaggagga gattctagca 120
caatctgatg acttgaaat ccacgnacat ggattgccat gttttctca atttcgatc 180
tgttctactc accccaatat aaaaatcata ttgaaactgt tccatttgc acgtttgccta 240
atcatagtagt actatggaaa ggacattcat tattcctcaa tttaaccctt ctttacatac 300
tgttcctctg 310

<210> 13822
<211> 387
<212> DNA
<213> Glycine max

<400> 13822

agttttaat tattgaatca tcaaccatgc tcgtcccagc agactacgca ttctttgtat 60
ggcccatattc attctcgccc ccatactgta aacccagcat cgttttccag gtaacatatc 120
aaacccaaag agagaaagta gcaggaataa acagagagag aaagagagaa aataacagga 180
aaaaaaatgaa aagaaactaa ataacatgat agcccacaag tgtgttcata agccaaatgt 240
gatttggcat caaaaataa cgtcaacctt ttgtcattca agtaagacag aacacatgtc 300
tgtcatttcc catgaatcat ttacatttag ttaaatttta aatatcaata aaatattta 360
gaaatattat agtttattta ataaata 387

<210> 13823
<211> 281
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13823

ctcagctaga tgtcatgctt ggagttagta gcacctgcct cnatactctt aaaccttcac 60
cacaaccctg tgctccaaca cctccaccta ctcaaactcc accaccacccg cataaaaaaaa 120
ttcaaaaaag aagaggaagt atttcaaaca atggatcaac ataaatagga gacaggaagg 180
gaaaaccaag taaccaactt atgcctaaag aaaaacctta gtgagactat caccatggtc 240
ctgatagggg ataagatatc tcaaattggg gggggggggg g 281

<210> 13824
<211> 207
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13824

agctttagt angtctagac atganacatg ncagaggggg gtttggttca aggataaaaa 60
tggatcccc acattatttc catgacacac atgctaaaat gatgatttgg aaatntttag 120
caaaactggt catgcatgca cctatgtgga cactcaagcg tcataatattt atggcatgt 180
gatgctaggg ctcaagattc attcct 207

<210> 13825
<211> 367
<212> DNA
<213> Glycine max

<400> 13825

gacacataat actcagcttc cttgagaagc ttcttgagaa gcgtgacttg aaagtttta 60
tcttactaca cacacccttc taataactaa gctcacctcc ttgagaagct tccttgagaa 120
tattcctaga gaagctagag cttagctaca cacccctat aatagctgat cgaggccgta 180
tctgaatcaa ataaacatta aaaaaatgta gtatctagga agtgatccta agtcgtctcc 240
caacgagcaa tggtaacca aagttcataa tagatagtga taaaacagta acgaattggg 300

ggggttgtct gtttgtgta attatacagc gagcaaatgt taattagaaa ataacataat 360
ctaaaca 367

<210> 13826
<211> 212
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13826

agcatttctt gtttctattn catgaccaggcg gcgagctgga tgcttgccctg tgcgagctta 60
tgtctaataa aatccaaaaa aagacccttt tgccccctta cttggtatct ttttgtattc 120
ctgatcaaga cactaagnngaa ttcccttgctt tgtaccggaa ttccgggtaca acatcgtaat 180
ttgactagcg agaatcaaaa tatcaatgaa tg 212

<210> 13827
<211> 303
<212> DNA
<213> Glycine max

<400> 13827

gtcctgctcc aatgaataaa tctttataag taaaacatgt atgttttattc taactcaccc 60
catcttggag cttgtcctct acagcagtgg caccaagaag aatttaggttc ttctcaatct 120
tatctgatac ttccctcaatc attatatcct gatcagcact gactacattc ttggccctag 180
agaatatact atcaaactcc ttgtattctt ctgcatcaaa ttcacgataa gccagtataa 240
agggtctcag acccgcatca ccatactcat gcacatgcccatgggtttc tcttccaact 300
ccc 303

<210> 13828
<211> 170
<212> DNA
<213> Glycine max

<400> 13828

agctttttt tatattatgc acatgaatcg gacctgcgag tgacaagata tggccatttg 60
aatttttcga gagcttccgc tgctcaataa cgagcgtctc gatatactat actcctgaat 120
cggacacctccg agtggaaaagt taagaccatt tgaatatctc gagagcttcc 170

<210> 13829
<211> 241
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13829

ggcgatcaga atngccatgc cttggattat agggttgaac caagctcatg cttttacaaa 60
aaggttcatc aagtcaagtt gaaatatgga agtaaccgtc ttgcanaatt ggggcaaaag 120
atgaatcgag tcacatcact gcttcatcta ctgccaaaca tattnaggat tggatgtc 180
cttgttactt tcagttcac tttgacaaag atgtcatgga ccatgttcaa aatctaaact 240
g 241

<210> 13830
<211> 228
<212> DNA
<213> Glycine max

<400> 13830

agcttatct acatgggcta tacgaaacat tggataaatg ttgcaaaaat atattaataa 60
tatgtattca taatttgca atatttattc taatgctgtt aaaagtttt aataacactt 120
aataatttat attaagtgtt agattaaaaa aaattactaa agatcacatg tattataatg 180
accacaacta gcatacgtgg aaactacgga gaacaaagaa aatgttgc 228

<210> 13831
<211> 318
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13831

tgcatttgag aagacacaac aagcactagg tgaacatgtt cctatcctac aactaggagt 60
ngcttcctta ccttgacttg tggaaagatat ttgtttctca tatataggat ttaacaacct 120
tcttgccctg catttcatta gttgtacaa tggtgcttat tggttggaa ttaactatca 180
ccttgaggac aaggtgctt tagatggcat agggatgat aggaaaggaa ccatggccca 240
ataagataact actgtggaca ttaataaaag gcccanaaag aagatcactc caccaaaagca 300

tctagaatat tatgtgtg

318

<210> 13832
<211> 319
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13832

agcttcttan tcgcaagtta attttaaga ctacggatt aagttgatct gtaagtcttt 60
tacggatcaa cttgatccac aagcttctta cgaataaaagt tgatccgtaa agagagaaaag 120
aagaaaagg taatgttgcc attttaaag aagactgggt gcaccttagct acactccaca 180
taataatgca gcaaccagca atacaacagt gcactctgac tcactataag tcatgcactc 240
actgcactcc tcgctggctc attgcgtatt aaccagaagc atcaatggtc accaccgagc 300
cgagcacccg gccgcatga 319

<210> 13833
<211> 258
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13833

tgcaacttn tgggtcaaa atagcttcct aatggtaggg tggtgagagt tacttgtcaa 60
accaaagcaa ggtatgttat tgcttgaata gcccttgtaa cacaattatg tcatgtatcc 120
aattgctatg gctgatcaag gagatctta taaaaggat ggaattgttt tggataggag 180
caaaaggat aaaagcagag tttcaaacc attaatgaaa tgggcactac taactacaac 240
ttctgaggaa taaatgca 258

<210> 13834
<211> 321
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13834

tccttcatt ccaagggtgga tggaggggtc tggtggaact aaatggcct aatcaatcac 60

ctataattca ttaatctaga tttgaaactt aacatgtAAC ttgtAAATTGT aagAGCTATA 120
tctccaaagt agtttcacac ccgatgtggc gatgtcCTTA tctcaAGAAG acacATgtCC 180
ttatctcaag aagacacATC attctatATT ggaATTTCAT aATTCTATT taaATTCTG 240
ctttaACTGC ataACTCTAA tntatcatCA ctACTTTCA atTTTCTCTA tttCTCTACA 300
tatnntactt ggtaatattc a 321

<210> 13835
<211> 381
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13835

caaggagNTT taccattgca ttttatggc ttattatNTN aatgacatCT tanatttagtt 60
ttAAATTAA aattAGACAA aaATATATGT gcaACTATAT tgTTATAAAT tagTAGTcat 120
ttttAGTgGA caaggatgag aatgagCTGA acATATgAGC acaaATTAA ccCTTCTAA 180
aaATGGCAGT tgTCCACTTG tgTTGgtTA aaATGTAAtt taATCAATTN tgTCATTCAg 240
catCATCTTA tctaAGAGAA atataATGAT agaaaaaaa TCTTATCTCA tagAAAGAAA 300
atATTAGAAA aaATACATT CACTCTAGA CTCTCTATCA ATCTAATGTa GCTCCATGTA 360
gagCTTGTAG gcCTTGGATC t 381

<210> 13836
<211> 333
<212> DNA
<213> Glycine max

<400> 13836

ctataaATAG ggggagaAGT gaAGAAGAAA aggGTTcAGC ctctAAGGCA cttCTCTtT 60
tctcgAAatt gctgaggAAA attATTTCG tgaAGAAAAT ccaAGCCGAG gCGCTTCCGt 120
aacGTTCTG taacGTTCC atgAGTAATT acgcGAAGAT tctcgaccGT tcttcaAGAT 180
tcATCGTTG ttctcgTTT tcttcAGTCT tcaACGGGTa agtACCTCAA accAAGCTT 240
tcaATTcATT ctATGTACCC gtggTggTCC acATTTGTT tcatgtATTt ttATTCTCAT 300
tttcatTTAC ttttataACC cccCTTTGA CGT 333

<210> 13837
<211> 373
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13837

gtatatgtaa atcaacccccc tggattgaa aactcagaca agactaatca tgatntaga 60
ttaaaaaaaaagg ctntatatgg ctcnagcaa tatagatact actctttca taaagagaaa 120
attacatgat attttattgg ttcaaattta tggatgtat attattttt gatctactaa 180
tgaattattg tgcatttggaaat tctctcatga catgcaaagt gagtntgaaa tgttaatgtat 240
gggagaactt aatttcttc ttggattaca aattanacaa accaagactg gaattnntgt 300
caatcaatcc aagtactgca nagagttaat tcacatattc ngaatggaaa tgctancaca 360
tggctaccca atg 373

<210> 13838
<211> 237
<212> DNA
<213> Glycine max

<400> 13838

tggcttgctt gtgttattgt taatttagta gattaaatgg gcctaataa ggcccatccc 60
tttctttga gtagtaatg tatatattag tggaaatgtt tagttatgt agtttagttac 120
ttcattttgt ccaaaaacag atttagttac ttgttgtgca agttttaaaa aaattttttt 180
atctttttt tccctctcaa tcattttca tttttcttcc tctttcgct tcttctc 237

<210> 13839
<211> 301
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13839

ccttagatct tcttcataa tggattcctt tgcttcttgg aagataaaatg gcngcggaaat 60
ggagatagga agagagagag gagacgccac ttcaaagaga agatgagtct agaagaagct 120
caccaccata ggaggccatg gataagagct tggaggaaga acgagatgaa tgaggggaga 180
gggagagaag agcacgcaaa tttgtgtct aaatgagcct ctgaatctga agtttaat 240

ctcaatgatc aaagttgaaa aaaatgcaca tacatgacct ctattatagc ctaagtgtcc 300
a 301

<210> 13840
<211> 198
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13840

ctcctaaagc atgtcatcct ctgccccatt aggaccctat agctntggga gccaaagtgtat 60
gccttgcgtt ctagacttca accatcggtg atagacgcct atgacaccat tgctacttgc 120
cgcctactct atatctttta tttccactct attccacgct tcatggatcc tctaaagtat 180
cttcgcattt gcttcattc 198

<210> 13841
<211> 301
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13841

tggaaattttt gattcgtgcc cctgcaattt ttgaaggcaga gctagaagtt caagtgttgg 60
ctgattatcc tataccttctt agcagattgt ttagttctga ttcccttattt aaagaccaaa 120
tggtagtta ataacatagt tgtctatagg aagctttcag ctttccttgg tatgaatata 180
agataaaaaaa aaataaagagt gctatgtgtg tgattttcta acttttgact aaattggaaa 240
tacgtgactg actcannatt tagagtgta tcatttctca attctagtt taagttgcta 300
g 301

<210> 13842
<211> 132
<212> DNA
<213> Glycine max
<400> 13842

atgtctacta tcattcgagat aatcttttc tctataatcg gaggcgctac ttgagctgcc 60
aagatctatc catctttggg cgtatccttt gaaagatccg tgccctttt tgcacatgtt 120

ctgtagttgc at

132

<210> 13843
<211> 506
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13843

aggtgatggg gnnntnannnc cccttgcac ttccgagact ccactaggan tctncangcc 60
tctcacagaa gggagaccta anttatgaga ggggagagcg ttttttctt ctcgctcctc 120
aaggaagtnt tctcaaagag gctctcaag gaggtttct cacgaaagct tctcagggaa 180
gctacctact ctataaatag aaacatgtgt aacacttgtt gtaacttgtt ggaccttgt 240
gcctcaataa tcttaagagg gagtggtca caatatctaa gaagcacaac aatcaattta 300
acaatgttct ttaacatgctcg cgacacaatt gattgaacac cctaattcaga ttagggaa 360
gagaatgcaa acactgttta tactgggttc ggcacttcct ggcctacatc cagtcttctg 420
aacccacttg agattacact ttcttcgtaa accattacaa tctgaaccca ccggacacca 480
tccttgggtt tatgctttaa aagaag 506

<210> 13844
<211> 213
<212> DNA
<213> Glycine max

<400> 13844

acttctatttc aagctcatct tgggaggaag ctcccttctt catggcttat tccctagtgg 60
atggcgctc ctctcacctc ttatcccttg tcttccgctg catctccatg gtggaaaacc 120
accattaaag gacctcattt aagctcaaag atccagcctc catagaagct ccacaagcaa 180
gcttccatca atgcacacac ttgcattttat ttg 213

<210> 13845
<211> 251
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13845

tctagccaaa tggactgacc ttgaattaat gcctntgatt gcctcttga gcctgtttc 60
ccttccttg ttttgaatct cactacaagc cttaagtcaa aaaccatgat atcaccatat 120
ccttaaggaa ttttggagct ttggaattgt ttggaaata agtgtgggg gggttttgt 180
ctcattggat aacatTTTT gcaggctata cttcatgatg tattctggc catacttgat 240
tgtcataccct 251

<210> 13846
<211> 307
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13846

agcttaatt ttgaattaaa atgttcagaa actgctcgta atcgattacc aaatatgtgt 60
aatcgattac atagtgcaaa ttttgaattc aaattntaat agctgttgta aatcagttt 120
ggtcactggt aatcgattac atcctctggt aatcaattac cagagagtaa atctcttga 180
taaagctctt taacttaat ttcttgaca agcctttgc tacttaat aggaattccc 240
ttcctattta atataccctt cctaagactc tagaaactgt cttgatcatc catcctcgat 300
atcttta 307

<210> 13847
<211> 411
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13847

tagcgtaagc tntcgacta agcgtgtgtc tcattgggtct ttttcgcta agcgtgtgtt 60
gcacgctgag cgagaatgct cgcaaggcac gtcttgcatg ttaagcgggc tttccaattc 120
tttcatttt ttcttcaagg tttttcttc cagttttgc atcaattttt cctctaaagc 180
acttgaatc tttttttttt aaattttctt aatcaaaaaat agcaaagatg ttaatttctt 240
cattatttca ttaaaaacaa taataaagta aaaaattacg cccacttatt aatccaaatt 300
gactatcaca ttagcttata ttctcgcaact atcanaggga aagagaatta gcaaaaatgg 360
caacgaaaat ggcagtttc ttacaggtt atccaaattta atcttaataa a 411

<210> 13848
<211> 204
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13848

agctttgatt cctattanac aacaataact ttgtactcg a atgtctgatt gagtcccgt 60
acatatcgag acgctcgaaa ttgaatgtt aacgtttag ctaattcaaa cgacaataac 120
atttttctcg gatgtctggc tgagctccgt ttcatatcg a gacactcgaa attgaatgt 180
gaacccttta ctttgattaa acga 204

<210> 13849
<211> 237
<212> DNA
<213> Glycine max

<400> 13849

tctacattca atttcgagcg tatagatgtg tgacgggtcg taatgagaca tcccagcaaa 60
aagttatgga gcgggtgtat aggctgacat ctcaacaat taatatccag cgtctcgata 120
tgttacggta ctcaatcaaa catccgagta aaaagttatt gtcgttgaa ttaactcaaa 180
gcttgaacat tctatttcga gcgtctcgat atatgacgag cctcactcg acatccg 237

<210> 13850
<211> 388
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13850

cttgttgtga tttcacnag nggcaaccaa cgggaggcg aacctcggt a tgaagaacag 60
acacccacg aagcctcaaa cccgcttctc ggtgtgtgga tcaagcatat caaggattgc 120
cttcaccttgc tctcagatca cctctacctc tttctggctt attataaaac cttacaacat 180
ttcccaactt gagcccgagaa gtgcactttt gcaattcta cccttattcg atacgtacac 240
ataacctctc ttataagttt acgcaatgtc gattaagcgt ttcctcctgt tttattgaac 300
ctcgcaatt ttcttaatta cataaccctt gcatctttt aggagtactg tggaaact 360

ttcatctaga ccgtcttcaa gtgcccc

388

<210> 13851
<211> 103
<212> DNA
<213> Glycine max

<400> 13851

ccctttaccc aagcccagcc tcagccaaac aactcagacg gtagccccag actcatagca 60
tttctcctct ctacgagata acccacatgc caaacgccgt aac 103

<210> 13852
<211> 155
<212> DNA
<213> Glycine max

<400> 13852

agctcttgcg taattaacta aatgtcaaca tcaaaatgac ctacatgtga taataggcca 60
acatgatctc agaatcaggg taaggtaat ccctaaattg gctccatattt aattacaatg 120
tgacaatcaa tccccttgc ttatattaatg ggaat 155

<210> 13853
<211> 299
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13853

tatcttgatg aggatgtgcc atatgttcnt tangactgga ctaatacatt ngctgccccaa 60
gtttcatggt ctgcaggtg aagatcctca taagcatctt aaggagttcc atattgtctg 120
ttccaccatg aaacccctg atgtccagga agatcatatc tttctaaagg cttttcctca 180
ttctctggag ggagtggcga aagattggtt gtactacatt gctccaaagt ccattactag 240
ctggatgac cttaagaggg tggtcttggaa gaaattcttc cttgcatcta ngaccactt 299

<210> 13854
<211> 158
<212> DNA
<213> Glycine max

<400> 13854

agcttgtttt ctgattaaga tcgcgacttt ggccggacggt ggagatgggt tctggcacac 60
agctgcttagc tatttgctct tggctgcact tgacgtgctt caaacactat tgtggtagcg 120
tagcgagtgt gaaacgacat gctactgtgc aaaggaga 158

<210> 13855
<211> 335
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13855

taagtattct aaagatgtgc gtgacgcgag caaagttctc tttntcgtcg atctggttca 60
aaccagagac agtgttggta aagatgataa aaagctcgag cagctacttt atgaaaaccat 120
ctttagggtt cttaacaaaa tacgttagaga catcgaa gttatacc ttggtcggac 180
acaacaatgg actaaagtcc ttatgatcat cctctgatgg ctaatctgta tatttggaaag 240
tggatgcact caatgagtca aaccacatag catgactcca tgaagggtat gcatcattgt 300
tgcccaactc ctcctaaat ctatagttac taaac 335

<210> 13856
<211> 352
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13856

cttcgtcaag taagtgacag cttgatattt attttttagg ccacattggt gcaagttgct 60
gccactgtac ctcttaactg ttcaagtcaa caagatggct taaggggtgtg gttggataaa 120
caacttaatt aagtgcattt tagataagta ctatcatgt aagcccttat gtataagcta 180
tntctataat aaaagttagaa ataggattaa actctctcaa tataagggtt tagttatccc 240
catgaggtat catggagatt ggagatctt tngataagct gaaaacaact tatggacaaa 300
ttataagcta tgtccataag ctctccaaa cacttacaag ttcttatgtg ac 352

<210> 13857
<211> 244
<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 13857

aatgaagca atgtatagaa gtaaatataa agaaatgaan aacggaccta tacttgttgg 60
gaatggttt gatcatgaca gtagttctag tatctttggg accagattct acaatggcac 120
cctcttgat tagaaaccta gtttcttgtn tcttcgcttg tttcccttc cagtgcctac 180
ttctangtac ttgttgttgt tgttggtgct gctgctgctg cttgggtgtg gttcctacta 240
ctac 244

<210> 13858
<211> 305
<212> DNA
<213> Glycine max

<400> 13858

tcgataatga ccaaccggtg ggcaattaaa ataaagagtt ttagctatacg aaacttttt 60
ctaaaccttag aacttttctt ttaactcctg tatgtatgtat catgtatgcataatgaaatg 120
atatacgacta agatgcaaca cacaatacaa caatcaatac aaatgccact caagagagtt 180
gggcatgtaa aagaaaaaac tttttgttagc tcttcttgaa gcttcaaggc taagtcttca 240
tgtcgctccc cctatctcta atagtaaccg ttggaaagaa gccacaact agaatgattg 300
ttgtc 305

<210> 13859
<211> 353
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13859

acatttgtat ggggtgtat ctgggtggtg gcattttttttt acatttgata tctgtgttgc 60
attgctcatc atcatagttt gtgtgaagaa aagtttctaa gtttagaaaaa tttcttcaga 120
ggcaaacact ctctgtttta atcgattaca tcctcactgt gattgattac aacaagttgt 180
ctgaagtttgc tagagtttagt tctcatatttgc gtttaatcgat ttaccgatat cttgtatcg 240
attactttgt tgtttgagac catgaatgtat ctattcacgat gtctctgctt taatcaatta 300

ccaagtggat taatcgatca cttctcttc atttagatgt cagacgtgaa caa 353

<210> 13860
<211> 359
<212> DNA
<213> Glycine max

<400> 13860

agtatcgatg aggtatactt aacagaaaat acttataaca ttacaaaata accataaatt 60
gggagagttg gatacatatt tatacaaggt ttatacaca aaaataagtc attttcacccg 120
actaacaact cacccaaatt tacagtttg ctgtcctca agcaaaaaga gaacaactca 180
cttgttctca agtgacaatg acatacagtg actatgtaca aagggttatg ctacacagtt 240
actgatggca tgataagaga atgcgagtaa atgcctcat cacttgttta taataaggta 300
tgcagttatg cagagagaaa aatgaaatgg ttacttgaca gatagatgaa agtatgcat 359

<210> 13861
<211> 107
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13861

ctatgtagnnc aatacacatg gggcggtcc cattagactt tttcaccatt accacgtttg 60
ccaaccacctt ggtatactac acctctctaa tgaaagcaac acttagt 107

<210> 13862
<211> 322
<212> DNA
<213> Glycine max

<400> 13862

cacaagatac tcagttatg tcatacgatgc tgagagttaga ggcgttaaca atttctttct 60
ccccctgttt gacctagaca ggaatttagtt tacagtaagg ttcaaacata acttgatatt 120
tagattaata cgcaacttgcc atcaagataa ggaaacatac actctagcta atatgtata 180
tccttgtaa agcattcata ctgtgccatt aatgaacagg ttcctcctgt atgtcgccct 240
tcttgagatt atggatcaa catatgaacc cctctaataa tctactctct atgatataag 300
aggtttatgc cataccaaa ta 322

<210> 13863
<211> 323
<212> DNA
<213> Glycine max

<400> 13863

agctttattt gttgaatcaa gttgattcaa gtcgttgta taatgacaaa gatgatgaca 60
aatagccac agaatgattt caagatttag tcaacaagt caagatcaag tttcatgaga 120
agaaatcaag aagattcaag aatcaagaga agtttgattt taagattcaa gagaagatga 180
attcatgttt caagagaaga aatcaagaag acttcacaag gaaaaatattt aatagaattt 240
tcaaaaaccca acatagcaca gtttggttt tccaaagagt ttttctcaca atgttctaag 300
ctacatgagt ttttactctc tcg 323

<210> 13864
<211> 331
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13864

ccctctggaa atgattncta tacaaaagta gagtcgataa tgctactaac acggagtgtat 60
gatcaatcga tcatggcct agcacctatt cgtaccagcc cctaagctt gacaaagaaa 120
atggtatcat gcaacaagt tgaaagaata ttacaagatg tttgcattac ctttcgcctt 180
cccctagtgc ttatctcana ttgggtgggt gttgaccatc actcaactct tcatccatct 240
tccgatttct aggatcctgg ataacaagat gcaaatgcct gcatgattat gatcgatgt 300
tgaatgtat aattaaacaa gcgttatcat g 331

<210> 13865
<211> 242
<212> DNA
<213> Glycine max

<400> 13865

aaaaaaaaaaa gggggaaaaaa aaaaaaataa aagagagaaa aagaaaagaa aaaaagaaaa 60
aagaaaaaaa aaagaagaga aaaaaaaaaa aagaaaaaaaa agaaaaaaaa aagaaaaaaag 120

aaaaaaaaaaa agaaaaaaat aataagaaga aaaaaaaaaaa aaaaaaaaggg aaagaaaaag 180
aaaaaaaaagaa aataaaaaaa aaataaaaaa aaaaaaagaa aaaaaaaaaa aaaaagaaaa 240
aa 242

<210> 13866
<211> 184
<212> DNA
<213> Glycine max

<400> 13866

gtcattttag tcaaaatcaa gattctactt aggtcaaaa ggttaaggaa ctataaattg 60
tgtacttaat gacagctatc aggtcgattc gcgagatcct acttataaga tatagtggtg 120
cttaaagata ttcatatgca tagtgaagag cattaatccg cgccaattat cttatgataa 180
ctac 184

<210> 13867
<211> 319
<212> DNA
<213> Glycine max

<400> 13867

gctcgaaaag cgcgagagaa cgagctgagt tttctgcgtc ttctagaaaa cgcgatgaac 60
tcgctaagag agaatgctaa gctaagcgag ttcatcaata ctcattgtat ataagctgta 120
tctgaagaac tcgccaagcg cacttactgc gctaagcgag ttcatcctt gaggataaac 180
attcatcctc tagctgaact acctatggct gagcaaggga gaatcgctaa gcctaagtaa 240
cttaaccaa tttcgtctct taagccttgc gctaagccga ctgtagctga gctagacgca 300
tttcatcact ggaaacttt 319

<210> 13868
<211> 83
<212> DNA
<213> Glycine max

<400> 13868

atgatgccga gtacaacaat gaagtcaatg tgaacgggag ttcctagcat aactgagggc 60
atggatgagg atcataagac tat 83

<210> 13869
<211> 332
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13869

taccagaagc ctctctccctc cagatcggt atgcgtttt ctctctgatc cactgcacaa 60
taactcgccg attaaacaca tacacaacac agctatctca tgtgcctagg actcagaaac 120
cagcttccaa caactctcaa actccccaca ccgggtgccac cccatcacac acccatcaga 180
ccctactcct tctacccatc tcccatcatc acaaacatca gcgtgcttaa aagaaacatc 240
tatatgaccc atcagaatct cttcaaaagc atgcggcccc ttaccatctg ttcacccca 300
agccataatc tggtcatcag cacatgcaga at 332

<210> 13870
<211> 456
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13870

aggctttga cctttgtac cnacngcgn aatgagctcg acccggtatc ctcttagatc 60
acctgcccgc tgcaatctt tgtantgacc agcagaaaca aacggccagc gggcagtgg 120
gccagacata tactggtcac ttaactttc acagaaacac cattcatggt aggtacgatc 180
aaccaattcg gacaaaggaa gatgatgcac gaggcttaaa cacatggcca taccgaaacc 240
atcttgaca agatccccaa cgggtcgcca gtgaagtgtat actgacgccc ttctgcttca 300
cttgccaca tctgcccata atatcagaaa tggtcaat tttttagacc gagattac 360
acaccaagaa tgagagacaa atccatgcat agctttccc ttctaaatta taacaaattc 420
caacgaagtc tgcttacta ccggattgtt cttcc 456

<210> 13871
<211> 179
<212> DNA
<213> Glycine max

<400> 13871

gttgaattca agaatcaaaa atcaagaatc aagtttcaag attcaagttc caagaatcaa 60
gatcaagatt caagaatcaa gagaagactc aatccagata agtattaaaa agtttttga 120
aaaacttagt agcacatgaa atttctcaa aacattttt ccaaagagtt tttactctc 179

<210> 13872
<211> 502
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13872

cccttatctg tagcttagat tcccggacct tgaaactcag cctggagtaa cagcaggtag 60
ttctttgat ttaccattat aaattactgg aacattctgc tatatctgtg tttggcaag 120
cacacaatat attcactggg gattaacaac actttaattc gatcaccatt tgatata 180
tgtgaaactt gtgttaccc agcgaccat taaaaacttc aaagcttcc tttcacttt 240
taataaccct ttccttggg ggccgttaat taattaaaaa tttcatgatt ttaatctaa 300
taaatgaccc tgattaaaga ttttggta aantaattt aatttagtat tacaatacct 360
gaaattaatt ctatgttcta accaaacaac caggaacaaa gtgacanacc ttgcacttt 420
aagacctgtg ttgcgggtt gtgtcagat ntgggtggag tnttgggt ttaactatct 480
catattactt tacaatacaa ag 502

<210> 13873
<211> 263
<212> DNA
<213> Glycine max

<400> 13873

tccaacacga caaggaattt ccctccgagg ccgttgcgg aattcacccc gctcccaatg 60
acatacgaag atcttctacc atccctcatc gccaatcatt tggccgcgt aactccgga 120
agggtcctcg aaccccttt cccgaagtgg tatgacccta atgcaacttg caagtaccat 180
gggggtgtcc acgggcattc cgtcaaaaa tgcttggccc tcaagtacaa ggtccaacat 240
ttaatggatg ctggatggct gac 263

<210> 13874
<211> 383

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13874

gccaaatttt cctgtcctgg ccctcctggg aatccttgcc accatttcca ccataaaacta 60
aaattgtttg aaaggccctt ctgactctgg catcctcacc ctatacagaa tnntaaactt 120
gatatgataa acatttgaag gaaaaagta aagccattga ttgtaattat tatctctatc 180
agaaaaagtaa ggttagtaatt ctattaagtt tgaaaaggaa aatataatac attcattctt 240
agacttcctg ccattacttn tagtgatgtt ctcatgtgtt atgatttcag atgtactgtat 300
ttataaaagct tactcgaaga ccatgcatca agccaagagt taagttgagt gtnatcatgc 360
atataaggct agatccatct aat 383

<210> 13875
<211> 62
<212> DNA
<213> Glycine max

<400> 13875

ctttttgcac atgttctgtt gttgcattcct attcagaacc atatcaaaat tgtactgata 60
ct 62

<210> 13876
<211> 374
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13876

cttgggctga ttgagggaaaa aaaaaacctt tttgggtttta aaataaaaag ggttttccct 60
tttttccatt attttattca agctctgcca catgtcccta ttcgattgga gcaaaaggc 120
ccactttctc ttttgactg tgaccatac tcagtcacaa aagtgagaaa aatctgacct 180
ttgaaacgct aaaatcctgc ctgggttgc gtgtcatttc tctgattcca gtttctcgcg 240
tntctctgct tccggccgggg ccagtttcg aaagcaagca atatatataat caaaacgctc 300
agaatgaaac cccgagtgtg gtttagaggt tggtttcggtt aaatttaag tccacgcaac 360
acgatgattt ttac 374

<210> 13877
<211> 361
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13877

caaagtaaac ttagggatgg agcaaacggt tccccccatc ataattcaca gtcatcagtc 60
cctccttaat gagatccctc gattctgaaa gttgaggcagg cttgcccatt agtttctctc 120
tagacgactt atcaccaaaa gcaccatctg gtggttcgg tgccagacta gcattcgctc 180
ctttccttct ctctctacca tattcttatttgc atnttttttc ttccaaaata tagtttctct 240
agtttttca atgaaataac tcacaatctc tccctcaaaa aagaaaaagaa aggaaataac 300
tctaaatcta aaaaaaaagaa gcaatttgcg gcatgtcatt gttttatgga caagacctat 360
a 361

<210> 13878
<211> 354
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13878

ccaatggagg tagttgcaa tacaaggtaa gaagtgtcac cattcaatac ttatggagca 60
gatcggggaaa cataccagat tntgtgcaag caaagttagaa gcaaaatgag catctnaaaa 120
tgttgaagat gaaaatttaaa tttaatttgc ggaaggatttgc tttagaaaca attcatattt 180
ttaatttcaa atctcttagga tattgcttan atttaaaaaaa agaatattgt cttttttctta 240
ggatgctctt tagaatttaaa gatatattct gtaaatttgc gatntgtttt ctcttttaag 300
attatgatgt tagggttata tatagagatt cttaaatgtca gaagaatcac cagt 354

<210> 13879
<211> 324
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13879

cttgcttggtt gcaaaacaag caaacagcat ctctaatnca tcctgaaaca aaatcaacat 60
tttagattcaa caccaacatt ataattccn aacactcatt aatcccaatc ctattnacat 120
tatcttgatt tggtaggat acgtcacccc aaagcttagct aatgaggtga ggattgtcat 180
ttttttacag ttctacttta gccatatcta acaccctccc atgttaggat tagcatctgg 240
acaaaagagat tgaggaattt ttctgtatta ctgtaattcc ataagacaat acaaactatc 300
tccattttac ataactctta caca 324

<210> 13880
<211> 328
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13880

ctcatcgcat tatggtagt cccttnttc tctctcctgg aaggcattgg actcaggtta 60
gtctgcatac aattctctct tactttcta ttaattgtca aaatgattct gacttgatga 120
agatagaaaa tagtaaaaaaa aaattaaact ccactattat gcaggatatt ctttcctaa 180
gtgcagagggc agcaaaggaa catccagatg tgtcatacat tgtaactgca ccccttggat 240
tacatgaact acttgtggta tgaattctct taagcatgtt ntattcatat taagtatcct 300
gagttgaatt tgtttaata ctcactat 328

<210> 13881
<211> 142
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13881

agcttgctcn atattacatn gatgtnnngna tnnatggag gaggttgtat gccgttttg 60
ttttaagagt agtgtccac tggtaaaact aactttccaa attttgcct tcgcaggaga 120
tggccccgag gaagcttgcc tc 142

<210> 13882
<211> 457
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13882

tagagaagaa gcttcaatgg aggaagagaa tgagagagag tgataggatg ggggaggcat 60
ggaaattgaa ggagattaaa gagagaagtt gaacttgaa gtgtgtctca caagttctc 120
attcatcgaa gttatgaaaa gtgttacata tggttctatt tatacgtag cacatggaa 180
gcttccttga gaagcttagga aggtaactta ctgggaagc tagaggaaga aagcttcctt 240
gagaagctaa aggggggcta ctcacacccc tccaacagct aagctcaccc catgccanaa 300
tatatgaaaa tacaatggg agcttccttga agaagcaagg aagaaagctt tcttgagaag 360
ctagaatggg gctactcaca cccctacaat agctaagctc acccccatgc canaatacat 420
ganaatacat aaaaagtccc tactacagag actactc 457

<210> 13883
<211> 227
<212> DNA
<213> Glycine max

<400> 13883
agttccctt atgtcggtga agcctgactc ggacgagtgg actatggag actcgccg 60
ttccgctgat tcgccccgtg ctgctggcaa aaactacaaa ctacacggtg taagttttc 120
cactgccaag cgagcttcgt cgtagccgt gttacggcg agcatggtgt ccgaaattga 180
acctttggtg ccgtttaag atgttctaa tgctgagaag atgaacc 227

<210> 13884
<211> 418
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13884

tgttagagctn gagttgtaga actagaagga gtgtgataa ttacttagaa ctgtttaat 60
ntagtagaac ttggtggttt atcaagaact acacatactc tcggtggtta agatgaacca 120
gtataacttt ttgtgtctca caagtttca ttttcttc gctttaatc gacctacgg 180
tcaaatttga ttctgtctt ggaaacgtta tctatctt gaaatcgtgt ctatcgctc 240
aattgttta tgaaaatctg ttatatactt tttgtcacac ttctcatcac acgataacgt 300

tgttttgttt taagaaggca tcaaaattga taacatcacg cttcaatccc ttctcttgcg 360
atatttctct ttgttaaatag ctaacacgt gccttgcata gcttcact 418

<210> 13885
<211> 352
<212> DNA
<213> Glycine max

<400> 13885

agtttcttct tcattttcct ataaatagag ggagaaggga agggataaaaa tttcaaccc 60
tcctggtaat tcaagatcac ttgaaattag tgaaaaaaaat tttccgtg aagaaaatcc 120
aagccgagggc gcttccgtaa cgtatgcgtg ggtgatttcg cgaagatttt caaccgttct 180
tcaacgttct tcattcggtt ttcgatcttc aaccgataag tacccaaaaa tcaactttc 240
aattcattct atgtaccctt aatggtcctc atttggtttc acatgcctt actctcattt 300
caatattcga cccccctta gacgtgctta gtcatttatac taagtcat 352

<210> 13886
<211> 398
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13886

tgcctatcca aggattctc taggagccga agtcctnat tattggctta ttcttagtg 60
gatggcgccct ctttctcctt cttctcctt gtcttccgtc gcatctccat ggtggaaaat 120
caccattgaa ggacctcatt gaagctcaaa gatccagcct ccatagaagc tccacaagca 180
agttccatc acatcccttg tggatcttg ctgtaaagg atttacaag gttattggaa 240
atctaaagaa ccggtggttg ctggggact ggtatgtangc actgggtgtt gccgaaccag 300
tataaacttg tggggctt cttctccctt acactctata attctcgctg tgtactttt 360
attccgcttt acttaagtct aacgtattag ttatgttc 398

<210> 13887
<211> 223
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 13887
agcttcttat tttcagtcgg ngaagatgaa tgcggggcga gcttcattca ctcctcta 60
gacaatatca tcatttctgg cactaaactg ttgggagttt gaagccatct tctcaattaa 120
gatcctggct tcagcagggg tcatgtctcc aagggctcca ccactggcag catctatcat 180
acttctctcc atgttactga gtccttcata agaatatttag aga 223

<210> 13888
<211> 314
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13888
gcttcnattg tgctggatct ttgagcttca ataaggtcct tcaatggta ttttcaacca 60
tggagatgca gaggatgata aaggagaaga gttgagagga gacaccatcc actatggaa 120
aagccatgga aggagaagct tcaccactaa gagagtgcct tgtataagaa gcttcaatga 180
acgaaaagag tgagagagag tccggcacaa aattgaagga gaaaaagaga gagataagtt 240
gaactttgaa gtgtgtctca caagttcac attcatcaaa gttacaacaa gtgttacacg 300
tgtttctatt tata 314

<210> 13889
<211> 437
<212> DNA
<213> Glycine max
<400> 13889
tgtaggatta tggagtaccc atcacatgtg gtactatgtg tcggtcgagc aatggtgcaa 60
gacaattctg cacatccaca aatcacgtat aaacccacca tccccgttg cccacctcca 120
attgagctca cgtaaccttca cgtagccctt atcctcggtt ctctcaacgc cgggtcccc 180
tcaatccctt caagctccca caacatccaa gaaattcaac atcccatcat cacaactaa 240
ccaaaccaag caaaacaggg cataggcaga tgactctgcc cagaacacaa accaaaaatc 300
acagcttttca acatacaaacttccatccagtaa cattgtcttc gttccatct gctaaccgg 360
ggatcgactc gaaaagtttca ctggaaggct ctgtacatg agtgtacatt ctgaccgtt 420
ggatctacta gcaaacg 437

<210> 13890
<211> 326
<212> DNA
<213> Glycine max

<400> 13890

agcttttagtc ctgaccgggt ctgcacttgt aatgtgcgt gctcttgcgg agtttccacc 60
attatcgac aaagaaaagct tgaagaccga gctatgcaat ttctgagagg tctgaatgaa 120
cagtatacat acattcggtc tcattgttta cttatggatc ctataccacc catatcaaag 180
atcttctcat acgtggcgca acaagaacgg caactgttat gtaactgctc tcctaatttc 240
aattttgaat ctaaggaaat ctccattatt gctgcaagggt ccgtttgtga gtattatgga 300
cgaatcggtc accacaaaaa tgtgtg 326

<210> 13891
<211> 228
<212> DNA
<213> Glycine max

<400> 13891

ccttgcttct acattccgct gatgaaactc atagtttcct agggcctgct gcaggacc 60
tcgtaaaaaaaa atgatcaaaa gagttactgg tctcatgtt tgggttaggg ttggtaggt 120
tttgactaag gtttagagaca tttatgttg ggtaggggtt gaggttctgt ttggtaaag 180
tagtgtgtgt ggacgagtgg cttaaggcat tattcggtgt gttgtgtg 228

<210> 13892
<211> 315
<212> DNA
<213> Glycine max

<400> 13892

gtccatccat tttcgataaa cgccacttcc ttgcgtgggt aaattggagt ctccttgaat 60
ggtaatgtg tgactatgt aagggatata ctgggttaa tcactaaaag ggtgaaattt 120
ccatggagta aagttgtcg ttgggttta tgattagtgt acatgggtat gatgattgt 180
ggactgtga tcatgttga tgggtgaatt atgggtatgt tcatcaattt agtataatg 240
ataatggcat atgatgattt aaccctttagt tcatgggtga tgaattaagg attattatgt 300

tatgctttg tata 315

<210> 13893
<211> 234
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13893

agttagagca aataatgaac ttgcaagaga atggaaagcc tcaagagatc atcccctcga 60
caacattatt ggtgatatat caaaagggt aacaagtaga cattctctta aagatntatg 120
caataatatg gctttgtat ctataattga acctgtcnga acctaccctt cggcgggagg 180
gcgacgcgtg actcgcgga tgcgtgtcc ccgaaaggaa tacgcgcaga gtca 234

<210> 13894
<211> 463
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13894

nnnttagatg angcttgtat nnccaggact atagaagaag acggngagct tctatagaga 60
accggagggaa tgaaagctcc taagtaaata cncnaannna nacaaanagg ggagagtaac 120
ttaagtncaa cgagctcgac atcgaatgtt taccgaacaa aacctaaatc cacaattttc 180
tttctatgaa acaaactgctg agtacacat cacataaaac tgctgccatg agtctattaa 240
ctgcattcctt tattttttc tgatattccg gatgagctt aaagtatacg atctaccgag 300
aacgcttggaa atataaacaat tggccgata aattaaataa tttaggaccc aatttgaaca 360
acaagtaacg ggggagatga aattggcccg atattttct tggggggcaa atacgcaaga 420
tgtagaagac caaatctcga agtaggacct caaccagcta gac 463

<210> 13895
<211> 358
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13895

ctattagtcc ttattcagcc ttatccttcc ttgaattaat tcactttgaa ccttaacatg 60
attatgtttt atcttgatca aaatttatat ggtttgcata catcaaaaaa ggggagatta 120
ttaagtnntga acggtccact atgtcaaaat tggacaatcc atccgcacca natgtntga 180
tgataacaat gatataaatt nttagggac taatagtata ttcttaagtc aaacaacact 240
tactttatat gagttcacat taaaaaaaaatt ttccttattt ctcatattag taattgtcca 300
aaggcacag gaacttgtgt ntattcatct ttatccaacg tccaacatgt tggtgtaa 358

<210> 13896
<211> 325
<212> DNA
<213> Glycine max

<400> 13896

ctgcttcacc acagcttggaa taaaaggtaa gcgaagtata gcaccagttt tcttatacg 60
tttttttattt atcttcacta aacctgcact taaacatgca tcatcaatca aacccttct 120
caatccaaga agaataaata acacatgacc tcatagttat cacaatcgg tatccaagaa 180
aataaatgac acatgaactc atagtatcac aaatcggttat atatagtaag ttgtttact 240
tttataaaaaa ctacataaaa aagtgttacc aattctgatc atttgataga acatagttaa 300
aaaactttca cactgaaagt atatg 325

<210> 13897
<211> 367
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13897

ctattcaacg actccgttcc gttcttttc ttcttcttcg aaaccctaatt aagcttctgc 60
acttccttct gattccactt ttggtaataat aagccccctcc tcttcttctc agatctgaaa 120
ctacttgttt taacttttc ttcttcgca ttgaatgatt ttacgttcc ttaaacatga 180
ttgcacgact cctttccga attccaatct acgctaaatt gtttaggtttt tatgttctat 240
nttattttgtt taatcgatca ctctagttgg aaattgaaaaa tcacgaggtt caattgacgg 300
aaatcattct cctgaaatgc tttagatag atgtnttagtt atggacatga ctagatcg 360
gagaagt 367

<210> 13898
<211> 200
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13898

gggtgacaaa taaaaaaaaa cattcatttg aactttggg agcatgctaa aggacttatt 60
cttatcattg attctcaact tcaaaaaact gacaagtgtg aaaagtagat atgggtgatt 120
tgtggaagaa atgtatcagt ggtactgtat gtgcnataca agcactgaaa tgtgatcgaa 180
tgaacattgt ttgaccctg 200

<210> 13899
<211> 401
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13899

ctcaaccaac caattcaacc ttaccaggac attcatagtc gctgttgaa tacctcaccc 60
actcaagtgt agcacagaat tatggcttt ctctaattgaa acactcttgc cttataaccac 120
tctaaggcta acaatgttt taggcacaat tgaaggaaat aaaattcaga atttaggagt 180
tcaagtaaca atccttcata caatcaatat attaccttaa agagattttt tttaaagttc 240
ttcaaggatg aaccattcag cccaatntt ttttaattnt gcttatacga atntctgttt 300
tttttataac aaagagatca aaaggcttaa ctttgcaat ggttcagcct ataagaaaaa 360
aagaacatga acaagaatgt natctaaatg gaaaagaaaaa t 401

<210> 13900
<211> 347
<212> DNA
<213> Glycine max

<400> 13900

ttaaaacaaa gagttttgc ctctaaagaa attttctag cttataaact tttcttcaca 60
cacactataa tgatacaca tgcaaaacag atatcaaatg tactaagatg caacaaccaa 120
gataacaacc aatacaaatg tcactcaagg gagttggca tgtataagcc aaaacttctt 180

cataaatgcc taaaactttaa tactactct atttctccca ccacatcatg gtcactgcac 240
tccccatgt a catacataac atacattatc acaatgacgt tttcaatgtc aacaacatct 300
catcttaatt gtcttaccca catcaacatc atgtcatctc aatatca 347

<210> 13901
<211> 324
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13901

tcaaacaag ctcacctcggtt ggagaggcctt ccttaggacg attcgtaaag aagctagagc 60
ttagctacac atacctctctt aatagctaag ctcacctcctt tgagatgaga agctagagct 120
tagctacaca cccnctataa tagctaagct cacccccatg acaaaaaaca tgaaaataaa 180
aaaaaaaaatcc ttattacaaa gacaactcan aatggccccga aatacaaggg ctaaacccta 240
tactactaga atggccaaaa tacaagacct tgacgaaaga anaaccttattt ctaatattta 300
caaagatagg cgggctatac ttag 324

<210> 13902
<211> 234
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13902

agctttgcta gctntcaaca aatttcttca caaataacta tcaaaaggca taaacctagt 60
aaaactaccc atcatatctc ccaaaaccca atacccatga acatttatgt gagaagaagt 120
ctacccaaac ctgaaatctg aagtcccact atgttagaggt gcactntacg actccgaaaa 180
tggcttcttt tcgctgatttg gaacagaaat ggtgagcaaa ggttggagct ttga 234

<210> 13903
<211> 318
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13903

atctgacaca taaaagccga agggaaatg acatagatca taaaacaact gcanataaac 60
gtaaatgttc tgaatgcata aatttaaatg tcctgctcct cctgtggctg atcttcatta 120
agatccactg tggagctgct gatgaatcct atataagctg ctcaagctcc atgactggtg 180
tggatcatca ggaataggtg cacggctag acatggcttt ggaataatct ttggagaagt 240
ttccttctct cgagccatat gtacacctgc atcataatca tagggcttaa gaagagtcag 300
ctcattctca ccctctac 318

<210> 13904
<211> 327
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13904

agcttgtgtt ttatacacta catcatccaa actgcagaga ataactcaag ttcttgaggc 60
ttgtcattgc atgtataccg tacaaaacct gaatccaaaa tttccttcct agtagcaac 120
tgctgagttt cactcacata agaactgctg ccatgagtct ttatctgcat ccttttctt 180
tatctgtttt tcctgatgag cttaaaagta tccatctaac caagaaccat tgaataata 240
aacaatgggc agataaatta ataaattagg atccaatatg aacagcagtt aacggatggg 300
atgatatngg gctgatantt ctcttg 327

<210> 13905
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13905

gtacttcatc ctctgcagtg ttagatgaga agtnaaaacc atcaatntat catanaaatg 60
ttttcaacaa aacaaattga catacataca acacaacaat gtaaaaatga ttagtttta 120
caatatgcta attatgttaa gtgaacttag tttgcactta tcattatTT tatctttgt 180
ctccatcatc agtgagaaaa tacacagaac attaaataaa ttcacggat ttctatagtt 240
acaatggag ccaaagttga atgcacaagg accaaggagt cgagtatgac tgtangggca 300
gggaaattaa ctgnggtcaa cggccattc ttgtttgggt ccccgacgca tggatgg 360

atgcacaacca cttgtgtttg cttagttaa aagttaagga tacatttaat atg

413

<210> 13906
<211> 339
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13906

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tactgaaaaa gatacccttc ttaagaacct tcaggagttg gaaaacaaac taaaagatct 120
tcaaaaggat ataaaggaac ttaatgaact acatattcat cataaaagaa aaaagatgtg 180
atcttggag agaatgcgca caagcacaca aagattatga tgaactcaa gtgagtaaac 240
atgattttt ggtggatgt gaagaactat ctttcttga agagttatac aaacttcaca 300
tgtctacatg gactcgacata gaaacatc tacttgatc 339

<210> 13907
<211> 406
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13907

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atcattgggt ctccgtcatt gaagtccac ttgagctgcc aggtctctcc acctttggc 120
gtattcttg aaagatctgt gcccctttt gcacatgtta tggtgttgca tcctatccgg 180
aaccatatca aaattgtact gatactgcct aatgaaggca accattatgt ccttccaaga 240
gtggactcga gaagggttcga ggtagtgta ccaggtaaaca gctaccccaag taagattatc 300
ttggaaggaa tgtatcagca ggtcctcatc tgtagcgtat gcccgcataatc tccgataata 360
catccttaga tggttcttg ggcaagtagt ccccttatac ttgaca 406

<210> 13908
<211> 353
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13908

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tggtgttgta attcctggtg caaacactaa ttgtgtttc aaatcattaa atgctctcat 120
acattcttca ttgaacacaa aagcaacatc tttattcaac aaattgctca acagttggc 180
tactttggag aaatcttta tgaatgcct agtgaaccct gcatgtgcta agaaacttct 240
tattcccttg acattcangg gaggaggtag tatgtcaatt acattgtaca cctctttccc 300
tcttactgac attttatgcc ccaacactat tcgcttctga accatgaaat gac 353

<210> 13909
<211> 386
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13909

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atggggagaa accactctcc atcactagtg tgttaaacac tactatatga agccacttcc 120
ttttatgtct gagcaggtct gtgtaaaaga gctcttctt tgatggtgat tgaggaatct 180
tagaacttag cttcatttat tcttcataag attcaaaaat tcctatgaga atgtgtctgc 240
aaaatagatt tcaaacadat ggtattaaat gatcttaat ttgtatcaaa tcataattct 300
atcttgctat catctgaaac atcagacatc gacttcacaa atcatgttcc gatagtgcatt 360
gagacataac tcttaatctt tgtatt 386

<210> 13910
<211> 414
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13910

agcgnntgca agctnnntgag tccattatat cctgacttca cncataannn accttgacgc 60
caggtgtgga gaaatagtnn caatccttaa cccttcggaa agccagaaaa aagaaaaatag 120
aggggnggaa attcnncac atcaaagaaa aacagaagaa gggannaat ttccaatcga 180
agagccaaaa aaagaaaaaa gaagggaaann aattccccac natcaaagaa gtgggagaaa 240
agcanaaaaag aannagaaaa gggaaagatt cccaatcata agaaatggga gaaaagtnna 300

aaaaaggaa gaagaaagaa gggaaagaaa agtcctgat caaggatcg aaagaaaacc 360
agaagaaatg tgcagagagg tcttgacc ggacaatac tgaacaatac agaa 414

<210> 13911
<211> 354
<212> DNA
<213> Glycine max

<400> 13911

agggtgatgt tgcgctact gatggtacc atgatgtgtt tgctggagtt tgacccacgc 60
ggttgtgaa gagacggcat gggcatctcc ttcttcctt tttgcccctg tcgccccat 120
tctttggca ttcacgttg tggagaaac gtaatcaaac tttcctctct tcaatccaac 180
ctcgattctt tccccggcaa acgccagatc cgcaaagctg gacggcatgt aacccactag 240
cttctcatag tagaacactg gcagagtgtc taccatcatg gtgatcatct ctctctcaac 300
catggagga gctacttgtg ccgc当地atc cctccatcgc tgcgcatatt ct 354

<210> 13912
<211> 262
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13912

acgatgcaag ctgcattc ntactcaa actttcaca caaatcgcg tgccgcgtac 60
agcgccata cttgcttctc ttgtcacatc cttcttcga cttacacacg attagaatat 120
ccaaactcaat acttcatgat aaatggcgcg agaccatcga atgaagagac aatggagtca 180
tcctccacca ctgcgtgtc ctgc当地atc cc当地ccggag cacccacagc 240
acctattcat acctctatgt ca 262

<210> 13913
<211> 393
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13913

gacacataga tactcagctt tagccatgg actaccttga atgaattcct ttgaatcctc 60

ttgagcctat gttcccctt ctgtgtttg aagtcatta caagcctaa gtgaaaaacc 120
atgatatcac cttaccctta aagaatttg gagcttgga attgtttgg gaataagctg 180
ggaataagta tgggggtat gttcattgg aagatatgtat tttggccat gcttaatgtn 240
ttatTTGGC catgcttgcat gtatatatat attgcctagt tctttcttta atattcaatt 300
tcgtactggg caataaaaga aataaaaaat ccatagaatg aacaatgaca aataaatgca 360
gttgctgcaa atgctgcaat ttctgtacttc aaa 393

<210> 13914
<211> 180
<212> DNA
<213> Glycine max

<400> 13914

taaacgccac atccttcttc accagctcat tgacaggtga tgcgattgtc gataaattat 60
gaacgaacct tctatataag cttgctaacc catggaagct cctaataatcg tccacactct 120
ctgggggtggg ccattattgg atggccttga ttttctcatg gtccacttgg accccatttc 180

<210> 13915
<211> 497
<212> DNA
<213> Glycine max

<400> 13915

agggagcagg attcagcgac gtttagcagca cgcgacgcca atgacgagcg tcgcgatcta 60
taatgcgcct gagtcggacg tacgagcgat tatggtacga tcattgcact tcctcgagag 120
cgacgggttgt tcaataacaa gcgtctctat atataatgtg ccagaatcgg acctccgagt 180
gaaatgttat gaccatacga atctctcgag agctaccgtc ggacaataacc gagcgcgccc 240
tcgtaagatg cgcctgaacc tgaccttcga gagagaagtc ctgaccatgc gcattattca 300
acagcacgct cagtcaagac caagggatct ataagaatgc gcctggatca acatccgagt 360
ggaagaaaaga cagggcattt ctaacagcat ccgtggacaa atcacgcgac tcgacaaaaaa 420
tcgactggaa cggacactca gagaaaagtc agacccgcgc atatcttagag aacgctcggt 480
caaataacag cgccccgc 497

<210> 13916
<211> 391
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13916

cagctggac ccgggatcct tgagtgcacc gcaggatgca acctctattt ttgatcctga 60
gtaccttcg cagttggta cctcatggct gattcaagct ttcactgccc atcctctcaa 120
attgaactct gactcatctc ttcttcttga gctataaaga agtggtag ctgttgaggc 180
catgaatatt agtttagaaaa taattcanca gagtgaaatg gcgttggttgt tgggttggta 240
aataatcccc caaaagataa gaaaataatt attagcaagg atccaaatgc ataacctaca 300
aagcgcatat tgctatgaag ttttggctca catcaccaag aatgctagaa tccttttct 360
gaatatgtga agcatcaggc atcatttaat c 391

<210> 13917
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13917

ntggatctt gtaaggactt gaagaaaact atgatgctcc tgatttatct ttagatccaa 60
cggtggctca gatgaagaat cacagagaaa ggaagaccaa aaagactaag gctaaaaatt 120
gcctttctc tactgtgtca aaaattattt ttacaagaat tatgaacttc aagtctgcc 180
aacagatttggattatctc agatcagaat atcaaggctg tgaaagaacc aaaggcatgc 240
aagtactcaa cttngcaga gaattcgaga tgcagagcat gaaaaagact gaaacaatta 300
aaggctacgc tgaccggctg ttaagcatag caaatagagt gaggcttctt gggaaagact 360
ntcctgatga aagaatagtg canaanatcc tggtaactat acccgagaag tatgaatcga 420
agatatc 427

<210> 13918
<211> 277
<212> DNA
<213> Glycine max

<400> 13918

caaaagccat tcatgattt tctaaacctt tgatcaacat gatgaaagca gctgggtggg 60
accttgatgc tgctgccaac tcaatcgaac ctgatgttgt ttatgcaaag agagctcata 120
agaaaatatgc atttgagtct tacatatgcc aaagaatgtt cagtggctct gagcaagaaa 180
acttctctgt caaatcagac aatattactg taactaaaga gagcttcttt caccaagttc 240
tcgcattaag agagatggat cccttggaca tgctggg 277

<210> 13919
<211> 333
<212> DNA
<213> Glycine max

<400> 13919

caaaaaatcc tagttgaga tattnaggat caagaatttg tcaagatgaa aagagagagg 60
agtaccggag acgttgttcg tcagatgaga acagtgtga agataacaag gagggtggaa 120
ttggtgctgg gggtgctcca ttgtgtttt gagaattaca atcggtggaa tcaagagaga 180
attgaataag aagaagattg gaagttgtgg gagtcgattt ggtgcagaaa tgagagagat 240
atggtgttttgaagattggg gaataaaagg ggcgtcgccg gggttgcgag ttcgtcaact 300
gaagtttgtt atttataggc gaggacgttc tgt 333

<210> 13920
<211> 377
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13920

cctcaccaaa tcccttattt ccagaaggaa attctatcaa tagacctcca atcttaatg 60
gagagggta ccactactgg aaaacccgaa tgcaaatttt tatcgaggca atagatctaa 120
atatctggaa agccatagaa atagggcctt atataccac cacatgaa agatttcaa 180
tagatggtag ttcatcaagt gaaagcataa ccatagaana acctagagat agatggctg 240
aagaggatag aaaacgagta caatacaacc taaaagccaa aaacataata acatctgccc 300
tatgaatgga tgaatatttc agagttcaa attgcaagag tgctaatgaa atgtgggaca 360
ctcttgatt aacacat 377

<210> 13921
<211> 359
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13921

ggcaaatata accattatgc ttggataaat gcaaaaaaac tggggcaa at gaagagggtg 60
agaatgaggg agaaacccat gctgtactg ccatttctat acagccaat ttcacccacaa 120
cccaacaata tcattactca gccaataaca aaccttctcc ttacccacca cccagttatc 180
cacagaggcc atcccttaat caaccacaaa gcctgtctac cgcaacttcca atggcgaaca 240
ccaccttag cacaaactca aacaccaacc aagaaatgag nattgcagc gaaaagccta 300
tagaattcac cccatgtgtc ctatgctgac tngctccat atctactnga taattcaat 359

<210> 13922
<211> 159
<212> DNA
<213> Glycine max

<400> 13922

agtcttcata atagtgtatga ggtacaagcc ctaaaggcag agcttgaag agcccagta 60
gtcgaagaga agttcaagtc catagccatc aaagtctgga aagagtatga tgaactaagg 120
gacgtcaata tggccaccgc tgatgccttg gaacgagaa 159

<210> 13923
<211> 264
<212> DNA
<213> Glycine max

<400> 13923

agttaagctg ttgattcaga acacttcatt ctggatatac ttgcataatcc ttccctttag 60
tggtgccat gtggtgctag gagtccagtg gcttaaggct ctaagacccaa ttctcacata 120
ttacaacacc ctctccatga aattcttcta ggatggccaa ttatggagt taaaggggg 180
agatgcatact accttgcacc tcctttctca tccccagctt cgtcgccttc tttgaaaaga 240
atggcgcgag tgcctacttt caca 264

<210> 13924
<211> 295
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13924

tgaattgact cgagggaga aaattgaaag agaacaaaact cttgggtgtc tataagggggt 60
tccgtttaga ctttagggatc aagggtcgct acgtcttga aagttatagt gcacaagaat 120
aaaaaaacaat taaaaatata tgattataca ctgagtaggt tgaaaatata attgttnctt 180
taatgtgcgt atcattactt ttaattaat taattaataa tttataagtt taattcttga 240
atacttaat tttcttatta aagatattgg tttataaatt aataatacgt ttgat 295

<210> 13925
<211> 351
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13925

agttgtatgg ttaagttatt atctagttcg atagntctaa tttttctatt ttcgcgtatg 60
attagtcatg tatgtatggt tttatatttc ttacgcactt tggcttttg ttgatgccaa 120
agggggagag aaaaatgaat attttagaaa tcaagatatt atatttca agacttcaa 180
ttaagcataa attcaaaaac aaagggggag aatatggaga attaagttag tgatcgacta 240
tgaaaaagaa tgtgtatgtg tttcttgatt taagggttgt catcataaaa aagggggaga 300
ttgtgaaagc aatgtcttcc aaggtaatt tgatgatgcc caagaatcaa g 351

<210> 13926
<211> 333
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13926

gctgagcgcg tgcttcaggg aaatagaaga cgagcgctg ttttgcagc ttaacgcgag 60
ctnctggag agggcggtct tagcgccgt gttgcaagct taacgcgcgc tattgttgg 120
tcatgggctc agcgtgtgac gcgcgcgtgag cgccgcgtata ggattgagct cgcttctgat 180

attcttcttt tatttaataa tttctgcctt tctgcttgct acacacctgac gtatgatatc 240
tgcaggctaa attcaacaaa tcatcaattc tctaaaaatag aagcgaaat acctgcgtaa 300
taattatatt taaagacaat atgtgcttat tga 333

<210> 13927
<211> 240
<212> DNA
<213> Glycine max

<400> 13927

agcttctcga tatattacgg gactcaatca gacatccgag tgagaaaagt atagtcagtt 60
gaactcgctc atagctgaca catacaattc tgagcggtac gatataattac gataactcaat 120
cagacatccg agtaaaaagt tattggcgcc agagtatact cagagctcg cgattcaagg 180
ccgagcctgt cgatatacta ccggactcaa tcacacccctcc aagtcaaagg ctattggcgc 240

<210> 13928
<211> 397
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13928

gacacttaga tactcagctt gagcaattca gcaaaatcac ttttactcg gatgttgatt 60
gagtcccgta atatatcgag acgctcgaaa tggaacacccg aatctctgag aaaattcaaa 120
cgacaataac ttntactcg gatgtcagat tgagtccaga aatttgtcaa gatgcttcaa 180
attgaagacc aaagctctga gcgaattcaa acgacaataa cttnactc ggatgtgtga 240
ctgagtcccg taatatatcg agacgctcg aattgattat cgaagctctg agcaaattca 300
aacgacaata agttttact cggatgtctg attgagtccc gtaatatac gagacgctag 360
aaattgaata ccgaagctct gagcaaattc aaacgat 397

<210> 13929
<211> 253
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13929

agcttggttg atgtacttac ccgttgaaga tcgaagagcg atgaagaacg aatgaagaac 60
gtcgaagaac ggtcaaaacc tttgcgaaag tcctcacggg aaacgttact gaaacgttc 120
ggaagtgcct cggttaaat tttcttcacg gaaacaattt ttccaagcaa attctaaaga 180
gagagaagtg cctaaggggc tgaacccttt tcttcttcac ttccttcctt atttaatagc 240
aaatanggga gat 253

<210> 13930
<211> 298
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13930

tgcataaaaaaaa tgagagctat gatgtgttgc tttgatagag aacgtaacca 60
aaagcatagt aaaacaacctt cagctgttga taccgtcaaa acaaccaattt ctctcatgtg 120
aagaatatgg aggcaaccac catgcctgtt actatatgg aagaatggcc aaggaaacca 180
aattcatgag agaatgcact acaaagtttag aagaaattgtt aatcaacctt agcatcacat 240
cttactccaa cctcgagaac accgtgaagg taataaattt tttaaaagat caagtaaa 298

<210> 13931
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13931

gcggntgcaa gcttcttctt ttgtcgctgg cgaaagaaag tagtagtagt tatgtcgta 60
gatagagttt nttgacatnn naccacgccc agaagggaaaga acgaaatgg cananntcgt 120
ggggggaaac ccacgttnnt aagcgccgtg nngctggnnn gaaggggcat tgnngaaata 180
nnggtcgctt cnntgatcca agggaaagaa ttatcttc tggcaaaat nntgggtctt 240
gcntttgacn ncattcttc ctttttggaa ttntcctcan agaaaaccct tcggccgat 300
gagcagctac ttgcgtctgg gccattctaa ctgttgcgt agtcttgaa ttcaacatag 360
gtatataaca actacaactt tacgtctata actaactaaa ataccaatac tcttctttc 420
at 422

<210> 13932
<211> 336
<212> DNA
<213> Glycine max

<400> 13932

acactataaa actcagctt cttccctctg atacatttct ttggcagggg atgtttcat 60
tttgtgcag ggtacagttt taaccctta caaataattt agtcatgccat ttctttctaa 120
actgagctgt gaatatttaa aatgttgtt tattctttt tcaaggttt ctccttatt 180
caattgataa gcataatcag cttcattaca tggctgaatg aatgttgtga gtcagaaaaa 240
attgcagcaa gatggtaaga tttcatcagt taaaacta acagaataac atgcttcctg 300
agcacgaaca atatgcttga gaaaatagta gctata 336

<210> 13933
<211> 293
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13933

attnaattta gtcggaaaaa catttcattt aattatagtt ttgattaagt ttcatggct 60
catgttaagtg atttttactt agccaagctt aagaaaacta aacacttaat atatattgct 120
ctagcanaca taagcacaca aatattacaa tgaatcatca catcaaatga gaggccactc 180
atctcaagcc tcattatcct tacacttact cctcacatcg acgccaatnt ctatgttat 240
ttggatgaca cttannataa acattatact attattaagt tatcacatgc ttt 293

<210> 13934
<211> 184
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13934

tgtcagatgt ttactactta acanacaaat gatcatctt atcactaagc gttttactta 60
ctgccaccaa atcactnngt aaactaactc atcaacatgt gagaaggatg atgaatgctc 120
agacatacat ttactaaagc cttcccttca ccactgttct gatgagatct ctgctgtcca 180

<210> 13935
<211> 516
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13935

nnnaacctag tcagcgcttg atgccccta gtagnncnt ttgatccatt tgagaccagg 60
gaactcgaga gnggacccgg gattgcaaga ctctctttag gcattgcgcg acaataggag 120
ctatctacac acacccctcg tgtactcacc tcggctcctt gagaagcttc cttaaatgt 180
ttcctaacga agctagagct tagctacgca tacctgtcta atagctaagc tcacccctt 240
gagatgagaa gctagaactt agctacacaa cccctataa tagctaagct cacccttg 300
actaataaca taacaataca aaaaaattcc ttactacaaa gactactcaa aatgccccga 360
natacaacgc taaaactcta tactactaga atggccagaa tacaaggccc aaacgaaaga 420
gatacctatt ctaatattta caaagataag cgggctcata ctttagcccat gggctctgaa 480
tctaccctta ggctcatgag aacactangg cctctn 516

<210> 13936
<211> 387
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13936

aggatgccc cacattatgg ccatgacaca aatgaaaaaa tggatgattt gaaactntat 60
gcanaactgg tcatgcatgc acctatgcgg acactcaagt gtcggatattt tatggtcatg 120
tggatgctacg gctcaagatt catttcctt attttaatca accaatgtt tccaaaatat 180
gttctttat caatgtgtgc attcatccga gtccattca ggcgtccgga gaaatttcac 240
agcattcacc cttcatgtgt agacacattn tccaaaattt gattatgatc aatgaatgtt 300
ttcacagaaa ggttgganat cgtctttttt caaagcatgt tggttttca gcttgcaact 360
taatnttttc tttcttctcc ttccctt 387

<210> 13937

<211> 498
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13937

aggatgtgaa ctgatccctt tggaanccgn gtgatcgctg agctactgaa ncccagagnn 60
gacagcgagg ctgccaggct cctttggtc agatcgaagc gggttcttaa ntttggcgcg 120
ccaaccgaac ggaccgggga gagagaccga ccacacaaaan nccccgaac caacacgcgn 180
cgcaaaccca gcggaaggcc cnacaaggac cgaagagaga caaccggggg aaaaggcaca 240
cccaggaaaa accacgaagg cggccaaagg acaacccaaa gcacccggaa aacgcaggac 300
cccaaaccga accacagggc caaagccaag aaccacccaa agaggccaag acgggacggg 360
gcgacaggac acacgaacca aggaancaag ccgcccanc caccaacagc agcacacgaa 420
cggaccgagc aacaancccc aagcgccgccc gcgggnncagc aacaaccgca ccggccaaaa 480
ggaacacacagc cggacacg 498

<210> 13938
<211> 382
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13938

aacacagnca taacaatgga gtagcgagat ataagtatca gagtattaaa tacaataagc 60
caaactcata atcaataaaa taatcaaacc agaggtcaca taacataaaa tgtcaacaac 120
cacaaaatat ccaagactga cacacaagag aaataagcag agtacttagc atactaatgt 180
acattctaag agactaaaag ccaaaataca cggcttataa aagataaata agcagaatct 240
acaatctaag aagactgagg aggtggtgga agatcaaaac tctgacgaat gtatccgaca 300
tcctcttcaa gctgtgtaaag acgaatgtnc atacctggca agcgtgaatc taacgagtca 360
aagctgtcac cgacatacga ac 382

<210> 13939
<211> 503
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 13939

aagagtgtnn nnttgannc ccttgnggg ngccgatgat gcgttgaaa nccagggcga 60
cncagacang acccgggagg ctctaagtcg atttgaagtt ggaacaccat tatattcctg 120
tgttagacca cgctatggc gcgagagtgg gcccttctt ccctcgcaa ctggagtaca 180
ttattgtac cccatagaga tccgcgata tgttcgggc catactctc ctggtgagcc 240
ctcttgctc cttagtccaag ggctctggcg ggaattgcat tctcttccc taacccggca 300
caactcctcc gaacgtgtgt agcagccaac ttgaacttct ctttggcgag tttggcctt 360
cctaactcgc tattgagagc ttggacttat tcttcacgtg cagttgctta aaaataatct 420
tgctgacaac gttaactcg gcgagccatt ctaaacctcg tatgcgacct gtcaaccatt 480
cgtgggttacc aacaatgatg cct 503

<210> 13940

<211> 330

<212> DNA

<213> Glycine max

<400> 13940

gcttgagggc gtgccaccat cttgatagta gagatctgtat atgtgtctac catcacgata 60
tcgtctccct ttccatcatt ggggtaccac ttggggccca aaccctcccc tttaggcgtg 120
actttgaaga tccgtcccc tttctcaaattt gttctatagt tgcattctat ccgaccatat 180
caaaaattgtc tgatactgcc tacaaggaac cattagtcct tc当地atggc tc当地agatt 240
caagttatgt ccatgtacag ctccccgaag actttttgga ggatgtttac aatcctctct 300
ttggattcc ccatttctga catcatctta 330

<210> 13941

<211> 336

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13941

acatcgacat gattgtctt gccaactgca aatnctgaat cggtaaaaaa aatgctcgcg 60
agtatgtcat ggatgcctag ggtagtcgg ttgatggtcc ttctgaacag cagttcgctg 120

agtgccttca gaagttcaa atggcttgct cacctggct aatgttcgtt gactatgtta 180
acgaaaccta gatactccca cacaagagan gatttattac agcctgtatg aataaggta 240
tgcacttatg caacacaaca acaaacgggt attaaaatgt tacaattttt ctagtaatgt 300
ctattnaatc atggaatgtatc attgcagcct atttta 336

<210> 13942
<211> 232
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13942

ctctgagcac atacaaacga caataacttt ntactcgat gtacgataga gtccttcat 60
atatcacgac gctagaaattt gaacatagaa gctcagagca aattcaaattt acaataactg 120
tctgctcaga tgaccgagtg agtcccattca tatatcgaga ctctcgatat tgaatacaga 180
agctctgagc atatgcaaacc gacaatacag ttgagtcgg atgtcaactg ag 232

<210> 13943
<211> 523
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13943

nnnnccata gaagactgat tgntanttag tactaccngg ctaattcag ttgagnaccc 60
gcgatccnt agagnngccc tgaggcgatg cagcannggt ttttataggc agcaccgaca 120
agttatttcg nggggacgag accacgcacg gggngcgtag cccgaannca tggaggaccc 180
ctgagcattt tcaccgacaa taacgttta ctcggatgc ttgattgagt ccagcatata 240
gcgagacgct cgaaatggaa tggtaaccc tttagccat ccaaccacaa taaatcttaa 300
tcggatgtct gattgagtcc cgtacatatac gagaccgctc gtacattgaa tgtttaagct 360
ctaagccat tcaaacgaca ataactttt actcgatgt ctgattgagt cccgaaatat 420
aacgagacgc tcgaaattga atggttgaacc tctgagccaa ttcatacgac actaactgtt 480
tactcgatg tctgattgag ttccgaaata tatcgagacc ctg 523

<210> 13944

<211> 471
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13944

nacggctctgt ttaagctnnt annnctncgn annnncagng cccaacnttg gagacaagg 60
ggttctccct gataaatata aaaaaaaatg gcagagcaat gagggggagg aggccggcn 120
aaaagaaaacg ccgcaaaaaaaaa aggcgcacag catcaacatt gaatttcgag cgtcacgata 180
tatgacggaa ctcaatgaca catccgagtt aggagttatg gtcattcgca ttggctcaca 240
ggtgcaacat gtaatctcga aggtctcgat atattgcggg actcactctg agattcctaa 300
cacgacgaca ttggggantg aattggctca gacgttcaca tgtaattcga ggcgcctcgat 360
tattatggc tagaaaaaca ttcgagaaga aggattgggt ttgatatgct aaaggtgcaa 420
attaattcga gcgggtggtgt ttatggacta cattgaatcc agataaggtn 471

<210> 13945
<211> 348
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13945

tgctgtcttc gtatatggcc acctgataat cctatcgaaa agctctccac ctgcacataa 60
ttccatcaca acatgaacag ccacggcatc cttatatgca cctttgatgg atataacatt 120
acgatcccccc gccaagtggt gcattatctg aatatctct ctcacatcct ccacatcatc 180
atcggtgacg agttcctct ttgcaataga tntgcaggcg cactccagcc ctgttgccct 240
ttccacgcac aagaacgttg tcccgaactg accctgtcca agtttctccc agagtaaaga 300
actcttgaaa tatcggtctc tctttgaaca cagaataaca cgaaccct 348

<210> 13946
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13946

aaagaattat tgcatttgac accgctcatg tcttacttat gcacatgcat atnnntatct 60

tgtgaatcaa aagacaggaa caggatcgct ttaagcgatg atcaaatact gtgc当地 120
caagacagag atgaaccgag gtaagtggta gc当地gccc当地 attttctac gcaatgtcat 180
ttc当地gtttt caggtgctcg agaacgggta caagtaaacg ct当地ggccgt gatc当地gcaa 240
tc当地atcgccc acgtccggct cc当地gatgatt aggaaggcacg actgggaggc agc当地tagtat 300
cctt当地aaata tctgc当地tatt atc当地t当地ta tttctctaag gagatgatcg gatatgc当地ta 360
actt当地atccta tgggtgtcga gtaaaccgagc accgacc当地at agagaacacg tattt 416

<210> 13947
<211> 296
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13947

tgctaaaaca gaacattggc atagcaaaga tcaaaggatgta gtgggtaaa acctaacaac 60
ttcaaagaga acatagtgatg ctatgaacac ttattgaaca aatcaacatg ggtaacaact 120
tccaaggtaa agtcttctca aactgcctaa gcaagtc当地ca agtcc当地taa cacttc当地ttg 180
cccatc当地gtg tggggacaag ggtgaaataa cattangccc acttgctcac aagtctcaaa 240
tggtagaac taagtccstat atacatgctc tggcaacatg agctacaatt ct当地aa 296

<210> 13948
<211> 387
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13948

tgttaagtggc tc当地atgatgaa gc当地aaatatc aactgttggta tttatctatt tt当地atggnn 60
ccaatggaca cc当地tccacac tagatttatt gcttc当地ttcc tagcaacctt ctgataaccca 120
tttgctgttg tc当地aaggtaa tttctggcaaa cagaattttt tt当地aatctt tc当地ttaccac 180
ctt当地gttccct tt当地tccccc atcaatccct tgtcttc当地ac tgcaactgtc tttcacaaaa 240
tattggcacc cctaaaatat gaaattaagg cc当地tccaaag attgacaagt gaaacacgac 300
ataaaacatca aaagtgtatgc gtatgaccaa aagtgc当地ttc aacataactaa tcttcaacac 360
acatacagaa aagtgagata gtacaaa 387

<210>	13949		
<211>	397		
<212>	DNA		
<213>	Glycine max		
<223>	unsure at all n locations		
<400>	13949		
		agctgaagtt tcttcatttg cacaagacgc taataggnga agagtatcct tgtggAACCT	60
		tcacccgacg aagacactga caaaaactta tcttctcctt cttggacaag gtatggcagg	120
		ctgggggcaa gtaaatttc ttcccatca c accttggatg caattgtatcg cgtataccca	180
		tatcagctag atcttggatgg gtattcaagc catccttcgt cttgccttga atgttaatga	240
		gcgtaccaat cacattgtca caaacatctt tctccacatg cataacatca atacaatgtc	300
		taacgtcaag atcacaccag tacagaagat caaaagaaaat agacctcttc ttcatatgca	360
		actctgactc ttatccttct tttgggctta ccaatac	397
<210>	13950		
<211>	614		
<212>	DNA		
<213>	Glycine max		
<223>	unsure at all n locations		
<400>	13950		
		ccgcgcgtgc gatgatncga nagtcagaag canntncgag acaccncaca acnacncaag	60
		ccgtgagacc nncaaggcgcg caggagagac aagaagagga agagatatga ntctccgccc	120
		tatgtcacca gggcncgct agagttngac aaagttagaa tggatacaag aggacaaaan	180
		cntatagcac aagctctcgt cttcacgac cagatcacat agacagtcgc actttacac	240
		ctttgttgc taacgaatga gtctcagcac cagaaagatc gtgtacccga atacggcaca	300
		tttaccaatg tgcccaacta ctccccaaat ttgcacgct acacataggc gcttgagggt	360
		gctctactct agtgagcgag gtatgttta tcgtcatcta accactagta ccacacgctc	420
		tctgcagtag gtctcgaagc atgaaaatac tctatgcgac agagtagagc gaagctttaa	480
		cctcccaattt atccccgata ttcaacagt ggctatccaa ccctcttagag tgatcttgc	540
		tccccataata ccaaactatt tccactctt atcacaaagg aaatattacc ctttgtctt	600
		tacaatatca aacg	614

<210> 13951
<211> 446
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13951

agtcggacc cgggatcctt agagcgactt gatgcattca agcnnnnac atatagttaag 60
tacactaaa tatgacatac cagttgttg gtctcccacc attcatttgg tgcatcaata 120
gtgttcctga tattgtctca tcctaaacca gtttcttttc taaataattt gtatcataca 180
caccaatctt ttctcaagtt atcatactta ttttttaattt gtgccttggt ataagtccctt 240
ccagtttaattt gtgtaaacctt ggattgaata cctttccgccc ctaccttagt aaagctagaa 300
ccaaggcggtt cccctcttagt aatatgctcc aaacataagc ttcataaaaag ctgcatttgc 360
ttttggatcc caagtagctt tttctgtgca atattttgtg aaagatcgca atagctattc 420
tctaatac tcataatcaa ataaat 446

<210> 13952
<211> 106
<212> DNA
<213> Glycine max

<400> 13952

aaggccgact gtacccaccc ttgactactg tcacaagttt gactttata acggcaaccg 60
acactcgctc gcgatatggg ataattactt agactgcgac tgaaac 106

<210> 13953
<211> 327
<212> DNA
<213> Glycine max

<400> 13953

cctcatgcac tcctctcatg actatggcat cattactggc gctcaactgc tcacaagagg 60
atgccatctt ctacaacaaa ggtctgcgct tcattcacgag tcattgtgacc tacggctaca 120
acactcgccag catctatggt acttctgaac atattactga gtactcccta aaaatatagc 180
agaagaaaacc gttctgaaat ctgatggta gggcgaccgg cacatagctt cttaaatctc 240

tcccagtaact aatacaggct ctatccactg atcgtgctaa tacctgacat atctgaccag 300
atggctgagg tcctggaaca tggaaaa 327

<210> 13954
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13954

ttcaatacaa gaaagcatga ctttgccta tgaatctaag tnntggttt gaatgacaaa 60
aggcatgaat attatgacat gtttgagagg ttgttattac aatttaaattc tggctgcccc 120
atgaggaata cttgcacct angtagcatg gaaaataacct ttcaacggta tgtatatatg 180
taaatatata tagcatggaa atgccttgca aaatgttcaa taaaatgcct tgcagaaagt 240
tgaataaaat gccttgacata atatgaatat atatagcatg aaaatgcctt gcataatatg 300
aatatatata gcatgaagtg ctttacacag ttttggatgg gtgcgtaca agtgttttc 360
aaaatacgtg tatttgcgag tagtaacag aagaagcctt ccanacaatg tgtgtatata 420
tatatgatgt agcatg 436

<210> 13955
<211> 287
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13955

tttgccttgct tctacaatat gnacaaagat aaatgggctc atacttagct catgggcccc 60
aaatctaccc taaggctcat gagaactcta gggccttctc ttgcacatctcc agtccaatct 120
tcttggagtc ttctatgcaa tgcccttgct atgttaggatc gcatcacttc gaatgctttg 180
agatgtacta catacccagg gagagaaaact ccatatctga cttgctctcc aagctggcca 240
gctccaccag gactgggcac cttatgacta tcgtccacta gatgctc 287

<210> 13956
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13956

tcagaccaca gcaacacaga atctaggagt tcaaaatccc tctattcaat gggtttcta 60
ggttgaaaaa gtgaaattta gaatgaggtt aatttgaagc aaactctcac ctcacaccag 120
tccataacat ccatttagac ttgttcaaac tggatttaca cctaaaatct caccgaatca 180
aaatttgcact cttcaacacc caaatttgcc ctagaaatgg ctctttgttc actttggta 240
tttattnncc tctctagcac agtccaagct ttctcataag tcctaaatga aatttcaagc 300
tagtattaac tcactttaac ctccatttac cacagaattc agacttagcc ttccaaccct 360
caaagtctca ctctgttcc actcataaca tcacattctc actttctaac cctangttag 420
ttctaccctt tgtctctaac agatttgc 449

<210> 13957
<211> 247
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13957

ngtgctgag ctgagcttga ctagctgacc gagacgcggc agtttatcaa cactttatt 60
agaaaagggt acaattggat ttgaagaatt tcataagcac aaatggagga aatgggctga 120
aacggatcgt aatacttcct ggtttacgt gatacgctt actaaaatgg catacatgtc 180
ctaatttagt ttttcaacc attcattttgc taaatccgat aagatata agtttaata 240
attctta 247

<210> 13958
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13958

atacatggct gaatgttagat ctgctactat agcttagtcaa attggaaagc acctcacatc 60
atagcattgc acacgaaagc aaaataacta taatatataa ccaaagtacc aaacgggttt 120
ctaaactaga gaaacccagg cactaaatca tatacaagga ggaaaaacta ccagattgc 180
tgcaatggtc ccttagttc aaactattac actatttgc gtttaatnta ctccagcc 240

tggcaagaa cacattcaa caaagtantt caaattgaa ctaacaact acaatgaagc 300
aagagtgc aaattttgg ttggatcat acatataat tacaaggcaca 360
caactgtac atattcaa ggtaaaagt gaagagtaca gtgatatact acattattcc 420
tgtaaaaat 429

<210> 13959
<211> 408
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13959

attccagccn ggattaaggg caagacaggn accttgcctg ggttggacng ggnccangga 60
ngagaggatt gcccaacata attcccttga cacaagcca aaatggatga ttggAACCT 120
tcttgcaaaa ctgttattgc ttgccccat gtggacactc aagtggcaaa tttaatgg 180
catgtatgc taaggctcg gattcattcc ctctatTTTA aatcacccca tgTTTccaaa 240
atatgttctt tatccattgt gcatcatcca gtcatttcg gcgtgcggga atatacagca 300
ttcaccttag tgttagacaca tttaaaatc gttatgacaa tgaattttt caagaaaagt 360
gaaatatctc ttccaaAGC tgcggTTT aactgacaac tattttct 408

<210> 13960
<211> 368
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13960

tgaaaaagtt cttcgccgg tggttcaaa attgatacag gcctttgaa tcaaaagtac 60
aagaagatga gcttgagaca gacagtaggg attccagtga tggatgtca tcataaact 120
catTTTATTAT gttaactaaa gagcaaattg gagatnntga aaaattgctt tcaaaagtgg 180
acctgaatgt tcagattgc ggtacattat tcaatgggg gcgagatgtat cgaaanactg 240
gtgatgcaaa gtacagtgtat ctcaaggacc agttgaaca ttggaaaccac attgctcaga 300
tttggaaagca tcccacattt aacttgcagt tcaatatgaa actgcacagc aacttctggg 360
tgatattc 368

<210> 13961
<211> 264
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13961

gggtttggc ctgatcattc tgagctgaac atnaacgn gnccnntttt acgagatttc 60
tgcttcaaca cagcaaggct attgatggca aatccaagcc aactagcctt ctgttagcaca 120
tcttgatcat gcattcctctg ggaccaccga agcatcccc taaaaacccg taaaacccct 180
gatattggca caactgcaa cccgcagatc ctaagccttc tagatttgag aaaaagtaga 240
cacttgacta caaagggtgct atcc 264

<210> 13962
<211> 116
<212> DNA
<213> Glycine max

<400> 13962

tgctagaaaa aatttgacat ttgaaatcg tagtggta aacttgaaca tacgaactta 60
cataaattac tggaaagtgg tcactacggt tttggacct gaatttctac ttgaat 116

<210> 13963
<211> 495
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13963

ngggcgtgg ancctgatnc ctnctagtag tctnatgant catttagnna cccngatct 60
tcanaaagaa cctgcagctt ccaacctggc cttaccttcg gattccaagg ttctatangt 120
gtccgcgcgg cctaaccctgg accatgaacg ctatggtggc aaggccgtcg gccttctgat 180
tttcctctct aggattgtga tgaaaggata tgtcttcaag gaatccatc acctccttga 240
tgtaaggctg gtaaggcacc aatttatggt ctctggtctc ccattcaccc ttcaactggg 300
gaattaccaa ggccgagtcc ccgtataacct ggaccaactt gaccttgaag cgaatggctg 360
cttggatccc anggcacatg cttataactc nctatgtcgt tatgcagttg aaacccacct 420

accctgtaaa gtatatatng tcgtctggga aaccatactg ccccactcca tggctantgc 480

atanacgtgc gtc an 495

<210> 13964

<211> 254

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13964

ggcatagtcg gtcagtgaga ttctgtgatg tacctaaaca ggcgagctcc tggcagtcaa 60

cagataaaag gaacanagac cacanagcaa ggaggcttgc ggtggctggc cagctgtgaa 120

atttgtgtga tatgtggatt atggcctctg gtaatcgatt accaaaggtg ggtaatcgat 180

tacaanggct taaaatgaag acaggaggct aagatggct ctggtaatcg attaccactg 240

ggtgtaatca atta 254

<210> 13965

<211> 247

<212> DNA

<213> Glycine max

<400> 13965

tgaccaaggc tggctcagcg tttgaagacc ctccgctttt gacagattaa tactattaaa 60

aatggggctg taaaaaagaa ctatgcttagc agttactgtat aagaaagtac aggtatgctt 120

tacctacttg ctctaaaccg atggcgcctt gtcacctaaa gctcgctcat gggctgcgta 180

tgaaaggcaa taatagtgtg tatgtgtaca ctttctatga cagcgagttg ggaactctgt 240

gcttcac 247

<210> 13966

<211> 321

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 13966

ctcaattaaa ttctggctt cagcaagagt catgtatcga aaggctccac cactggcagc 60

atctatcata cttctctcca tattactgag tccttcataa aaatattgga gaagaagttg 120

ttctgaaatc tcatgggtgg ggcaactggc acatagttt taaaatcgct cccagtgactc 180
 atacaggctc tctccactga gttgtcta atacctgagata tcttcctga tggctgtgg 240
 cctggaagca aagaaaantt tttctaaca tactcttta aagtcatccc acctcgatgat 300
 ggaccttggca caaggtaata c 321

<210> 13967
 <211> 271
 <212> DNA
 <213> Glycine max

<400> 13967

ggcgaactag cttgagcgta tcatgaactg aacaaggcga ggagcgggat tagagagacc 60
 ttccctgagg caagaagggg aacacaaacg cccaaaggaa ggacggaaca agcagaggag 120
 ccagaggaca cagcaaccca aggaggccgg ggcccaggac aaagaagaga cgaaggcagc 180
 caacagagaa aagagaggaa cccacaccag gggacaaaca cgacaaacaa aaaaagggaa 240
 ccaggaacac gaaaaagaag aggcaacaag g 271

<210> 13968
 <211> 471
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 13968

nccccggaaa ctgnnnagnn tactnantna gcaaaanncg aaaaggaang aggccggctt 60
 agaaggagag aagaaanatt aantttctcc ataacccggc cacaccgaga gggttgttaa 120
 tagatacaag cgtccaccac aacaacaacn ctaaaatgat catgcaacag aaactacggc 180
 ttgctgagac tgttagtatcc tcatcaacta tgctctattc tgtgtacgta aaacccatca 240
 gatatccgac agaggtgctt tttataaacg aatctccag ttcaaagagc atgttacatt 300
 ttccatgggg accaagacac ccgacaacgg gtgctgctgt tgccaagatc tcacgaccaa 360
 atagaccatt gatcatatta gttattgtgg acgtcaactat aactcgagcc acctgaacag 420
 ctgtcaacga ggtggatgca caaagaatcc ctttgtgagg taaagctttt a 471

<210> 13969

<211> 510
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13969

aggggctgtn aantttgann cccctttagg agacacctga tgcgactgan atcatggaaa 60
tcgaccacgg acccgggatc ctctgagtcg acttgangca acaagcgcac gttaccttat 120
tttacacngn cggnncancgc gtgttgtcaa tggcacaatg cccgctgaga aatatcaaag 180
gggctataata actaccagac gctggtaactg ctcgttctat accaccctg cactttactt 240
tgactatgtc ggattacgag atgtccgatc ggagacatac ggtcatgctg ctttgtata 300
cctcgctctg tcatactttat ctggccgact tcagctggca ttatagggat caatatcggc 360
gaatcatgca tctagccat gtgggctaac gtcttcgcgg ctgatgatat gagagcatgc 420
cacagtcggc cggaacacac tctcgaacga aaaacctatac cgtcctacat tgtgaatnta 480
gangctataac ccgacagacg ggacctatct 510

<210> 13970
<211> 308
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13970

ntcagcaact tcaaacgaca agaacggatg acgcggatgt cttatngatt tccgaanaca 60
ncgagacgct cgaaattgaa tggtaagct ctcagcaaata gcaaacgaca ataacgtttg 120
actcacaggt ctgattgcgc cccggagtac attcagacgc tcgaaattga atggtaagc 180
gatgcacaag ctcagaagac aataactcta ttctcagaag cccattgagt cccagaaaga 240
gtcggatgct taaaagcgaa tgtcgaagct gtctgcatac tcacgcggca aataccttg 300
actcggac 308

<210> 13971
<211> 494
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13971

ngggacgtgg caaatgatnc ccattgnagn tcnnatgatc tatggagcnc agnggaaatc 60
atctaggacc nnnnannncnc taannncnct tncggcaggc ancangattt ttaacngagc 120
cggcgggcca aacacgcacg tggatctcta ttgagaaaaat gacagctgac ctctgaatct 180
catcgataga gatgcgacga aatacttgag tgactcaaga acaccctgac tgtatgaaat 240
gaccctcgca acgtaccagt gtagccctcg ccggacacac tgaacccttc cttccgtgca 300
tcatcaacgt cgctctctac gaccactatg ccagacaagc cattgctgcc catagttgtc 360
tggaggccat agctcccgcc tatgcatcca tatgaaggat tgtcgaccta cccagccttc 420
acgaggagag ctatcacctc ggttggagta cctaatctgg acaccgcccc ggagtagcgt 480
atacctcctc cagc 494

<210> 13972
<211> 374
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13972

ccatatgaag cttagacacc tctacacaca naccgagctg cagccggccg cgagacggag 60
gagatttcgt gttcccacag caacccgcca tggaaagcacg gacacaaccc aaagcgagag 120
agcgccctcac tcggaaaacc tggaggaaga cgacctccgc agaccttgat acaaggggga 180
agatgttcaa gctgaaaaaaaaa gacggagcat aagagggggc accaattccc gggagagggaa 240
accgcctgga atgagccgaa caatgagctc aagaccacac cgccgcgtcc cataaaaacg 300
agggcccgga acattccgga tagtatcaga acaagctatt caccaccgccc tgagagggga 360
cactgaacct ctag 374

<210> 13973
<211> 494
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13973

aggggcgggg gtttgatncc ctggaggt caatgatcta ctgancctg gannatccag 60
cnaggtcccg ggatccttag agncgacttg aggcaggcaa gcgaggtaa tataatgcgc 120

ccgaaccaaa cgnnggacgc gggacggatg acganatcac accccccact gtcggccgtg 180
tgacaggaaa gaaccataag aagctctcga caacgtacgc attgaaacct tggcgatc 240
gaccaggat ggcacccaaa tctgttaggat cgtgtgacaa cttaagactc ccaattatgt 300
acccacacgg tggaaatgt gcaggaataa ctcgagacga cctgtggtgg aaaaagaacc 360
atactttcat cccgaggcat ccaccttga ccaaatcgca gtttggacg ggaaccaaaa 420
aggttggaca gcttatacaa ctcgagcgaa tggcgccgct ccacgaggtg ctcaaaaacg 480
ggcaacggtg ggcg 494

<210> 13974
<211> 488
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13974

ccagacaact cgccancnt gcacaccnaa nccnaagact ccggccgnng agncagagag 60
gagagagaga gtgtatattt attatcaaca agcaccccc gagaggctgt ggctgatcag 120
ttgaacagag actccaatgc aatgcgccta gatcgagctt gcgacctcaa acttgagaat 180
acgaagatca tggccctt cttcgcata ccaagaccgg tgactaaaa gattggcgg 240
agaacgacta ccggaggcta aggaaggctc ttgaaactat ataccaatgg gatgtgtgca 300
aaaacctggc tgagaatacg tgtctcgagg accaagtgc ctttattgag ccaagtccac 360
cctctgttga cagtgcacta ccgaactgga gctatagtgt gtcctgcga agacttataa 420
tcccttaccg atatcggtgc cgactctta atattcaaga ctcggcagaa tggAACGCGA 480
cttggtgtt 488

<210> 13975
<211> 402
<212> DNA
<213> Glycine max

<400> 13975

agctagcctt ttgcaagtgc catttggccc atgtaatgaa ctacatttcc actatcagtg 60
ggtcctaagg agatggagga aagtgttct acaagagatt gttgcaatgc ttccaagcct 120

tgagataaaag catcctcagc ctgctggaa gactgttgc gattataat tcccatcaac 180
tgctgatctg ttaatggctc aaggtggttc ttgatgatct gaactccaaa agacgagaaa 240
tgagtcaaca acaaactata tacacaagtg aagttactag aaaatggaag tacttaattg 300
gcaatcacct tgagaagttc ggatgaacgg aatccaccaa gccacataaa acatcttcc 360
acagggtgtct tccacatccc attatgtatg tgtaatacat ca 402

<210> 13976
<211> 95
<212> DNA
<213> Glycine max
<400> 13976

ccttgaata tacatatgtc ttctctaattg acttgcaaat caacttcaat caaatccat 60
gcaccaaacc catgttatcc atgacattca acacc 95

<210> 13977
<211> 405
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13977

ctntgatata agcagncccg ggtatatgga ttggcaatgg aataaagcct ttgatgtgt 60
tctcaaagtt tcctaaaatc tcagagacta gtggatcatc tggattaata ttcatgtgc 120
gcttcatcat aacattaatg ggaaactgtt tcacttgaaa gaaaaataaa tatcatgtgt 180
ttgaaattga caagcaatct ctttcttagc aaaaactcta aaaagttgga aaaagtgggt 240
atttctccaa cataagttga actaaatgca tattcaattc ttaaaaatcgt attatata 300
tagttcttct atttcattgt ctgcaaaata ctataagagt agaagaagga atcccttga 360
aacactgagt agagacaaat tagcaaattg atggcaccat accct 405

<210> 13978
<211> 464
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 13978

gacacctgat actcagttt agaatggcta gacatgaaca tgtattggtt ggtttggc 60
aagataaaag ggatccccca cattatttcc atgacacaaa tgcaaaaatg atgatttgg 120
aacttatgc aaaactggtc atgcacatgcac ctatgtggac actcaagtgt caaattttt 180
atggtcatgt gatgctaagg ctcaagactc atttcctcta ttttaatca acccaatgtt 240
tccaaaatat gtcttttat ccatttgtgc attcatccga gtccattcg ggcgtccggg 300
gaaatttcac agcattcacc cttaggtgt agacacattt tccaaaattt ggttatgatc 360
aatgaatttt ttcaaagaa aagttggaag tcatctttt tcaaaagcat gtcgattntt 420
tagctagaca acttattttt ctcttttcc cattttttc ttac 464

<210> 13979
<211> 367
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13979

tttancttan antccaccag catcaaggaa tgagggcggg tgatgaaacc tctccaaatg 60
caagctttcg gcaagactta tggaaagatc tttagaattga ccttagcaga ggtatccata 120
gaagccattg catcaactcac ccaataactac gaccagcctt tgagatgctt cacattcgga 180
gacttccaat tagtaccaac cattgaagaa tttgagggaaa ttcttaggatg tcctctcggn 240
ggaagagaac catatcttc atccgggtgt ctcccctctt tgagcagaat tgcaactgtg 300
gtcaaggatt cagcaagagg tttggacagc ataaaacaga ctggAACGGG catggcggg 360
ctaccac 367

<210> 13980
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13980

tgttggatgtt ttatgggtga ttgtgtttt acatggagtt ctaagaagca agacattgtg 60
tttggatattt acactttta cttgtgaagc cgagttatgtt gctgcaactt cttgcacatg tcatgccatt 120
acactttta cttgtgaagc cgagttatgtt gctgcaactt cttgcacatg tcatgccatt 180

tggcttagaa gattgttgg a gaaacttcag ttgttgcaaa aggaaagcac aaagatctat 240
attgataata gatctgcaca agagcttgcc aagaatccgg tgttccatga acgaagtaag 300
tatatatata caaggttagca tttcattaga gagtgcatta ccaaaaaaga agtagaattg 360
actcatgtga taactcatga tcaagttgcg gatatttca ccatgcctct caa 413

<210> 13981
<211> 502
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13981

agggctgtta naactgattt ccattggaa caccccgta nntcagctga tagctntgn 60
ancncncaga gccgaccggc aggcttccaa ccttgtatgg cagggattta atccaatttc 120
caaacatctc cttgtccttt tggaccttgg ggaaaggaac ctccaggaa atatcccacg 180
gaggcctcct atcctcctct atatggacct ttcttggaat tcaaatgtta gtaattcaac 240
cgtattaaag acaaaggaa tttgaataaa caggacatgt gcactttcct ttctgtgatc 300
cccatnctg agagactaga cacatgattt atcgtatgac agtgtgtata ttgtatgaac 360
aaactagatg ctactaaata agagagctga cactagataa aatagagcaa ctctatctag 420
ttgtggcgat attccttaac ataataatct ttgtcacttg tcaanacacc atagaatatc 480
aataattata cttatgttat cn 502

<210> 13982
<211> 441
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13982

cttaaaact agtcaactaa agttatgac ttgggtttaga atctncagaa acaagtcact 60
tgaagaatgt gacttttggaa aatgtttttt tcaaaatcag tcactggtaa tcgattacca 120
ttaagggtgtaa atcgattaca catcaacaga tgtgacttca ttttgaattt tgaaaatctt 180
aacattnaa aacactggta atcgattaca tgattatggt aactgattac agctttgtaa 240
atcagttga aaaaaatgct ggctactggt aatcgattac taccttctgg taatcgatta 300

ccagagagta aaacactttg gtaaaaaatt tggtaaaaac ttcatgtcct actcaatgtt 360
ttgaaaaagt tnttagtact tatcttgatt gagtcttctc ttgattctt aatcttgagt 420
cttgaatctt gatcttgatt c 441

<210> 13983
<211> 446
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13983

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aggagccaac nnggtgtgag agacaaactt angcccagcc ggaaacacag gggcccaggg 120
aagccgccaa naggcccaag cnaggagaac gaaanccgg gcacnaacaa ggcaacgcga 180
gcnaacgaaa nnaacacaaa caagcacgga cccaacaaga gacaagaaag ccnnccngca 240
acanacaacc anggccagga gaacaaccna ngaagnggaa ccagaaagac aaccccccua 300
gagcnncncaa ccgggcanag gcggcaccag gacagagcca canccgcaag acgccaccan 360
gggggcaaca ccccaaggaa ccnngaccag gacagggacg gcaaggcgca aaacacgccc 420
caacaccnag ccaggganc ncngag 446

<210> 13984
<211> 355
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13984

tgcagatatg tcgcggnggt cangagacct tggggacgtc angtaaggtg ctattgcccc 60
taaccaagct tgaccaatcc cgacccaacc cggcatagtc agtcagttag aacctgtgat 120
gtacctaaac aagcgagctc ctggcagtca acagataaaa tgaacaagga ccacaaagca 180
ttgaggctt tgggtggct ggccagctgt gaatcttgtg tgatatatgg gttatggcct 240
ctggtaatcg attaccaagg gtggtaatc gattacaagg cctaaagatg aagacaggag 300
gctaagatgg tctcttggca tccattacca cggggtgtaa tcgattacca ggctt 355

<210> 13985

<211> 499
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13985

aganactgta gaacctggat gacaatttgt ganaccnngt gattccattg tagccccctgg 60
gancctctgg agccaacctg aggctggcag gctggacttg gcgataggan anaagcctan 120
nattacatct taagaataag ccaatggagt taggatggag aattcccaca gagacaaggt 180
ccgatggatt ttggtgcttc atttaactan agaatatatt cttttatcat aatataataa 240
tgtaacctct ttttttaat ttccaaacgcg gttatggccc gaccaaacgg tggaaatcct 300
ttttacaaa aattaacgaa tactacaatt caaatgatcg gtggatatgt atttttaga 360
ttaggcgcga attgacttaa ataatggacg gaagcacgtc aaaaggtggt caagaggaaa 420
tgaaacgaga ttaaagttcc caaaaaaatg tggacaccac gggtcaggaa tgattgaaaa 480
cttgttcgaa actaccggt 499

<210> 13986
<211> 304
<212> DNA
<213> Glycine max

<400> 13986

caatcatact tccactgttg ccacaggttt gggtaaattt ctggtatgct gtgggaacca 60
attccaaatt taattttgga aactataatct tttgatcaa ctgttaagca ttcagaatct 120
tttgctatca aattacccat tgcctccct actgtattgt gtggcattat gttcagtcag 180
catcccaata tgttaaacta cactgactct gtgatgaaga gagaatctcc tctatccctg 240
cattacaaac tggtaaagg gacacatgtc ccagacattt tctcgacatc tgtctcgaca 300
tcag 304

<210> 13987
<211> 509
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13987

agaaaacgtga aaattttgaa accccctagt aantccggtg attccnnttg agancgggga 60
gacctctaaa gccaacctgc agccttccag ctctggattc gttatatcca ggagagttca 120
cataattatc tccacacgga ccaccacttc cacagtggcc aaggttcctt ggaagatcct 180
ganaccctc ttgaaggacc ctccaaggtg agatatgtcc aatggcacct ttggcctcca 240
aaattcgaaa ttctgaagat gaaggaggag aagggtttcc ttgacttcca catgaccatc 300
cttgaatgg ccattgctgg cttgcctgg ggagaaagga tgacagatga naagctggtg 360
agaagatcct cagatcttg ctttagagat ttgacttcaa agtcactgca tttagaggagg 420
cccaagactt ttgcaacatg agagtagatg aactcattgg gtccttcaaa cttgaccta 480
ggactctcgat atagactgan aaaagagca 509

<210> 13988
<211> 397
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13988

aatcaaacca catgttgatt taagttatat aaaatattnt taatttaact acatgtcttt 60
aaatttaaat cttaaatata taatcatatt aaatatttag agaaagaaat ttaccgtgta 120
taataactct atcgcttatg atttaattc aaaaaagatt tcaatcctaa gagcaactta 180
atagaaatac actacactac ccaaataatac atgggtgtat cttagctcgac agatatttat 240
caaaataata ataatacatg tcgtcttaat ctttagattat tattgattat gtaggctcta 300
gcttctctta antttttcc tatcatgcat gtncccttg ttgggtggtg tgggtgggt 360
attattatta ttattattat tattatcata gattatg 397

<210> 13989
<211> 148
<212> DNA
<213> Glycine max

<400> 13989

ctatcattgt tattatttct ttcttcatca ttaaggaaa cacttggct gccagatcct 60
tccaccttg gatgtattct ttaaaagatc cgtccccct ttttacatg ttttgtatgt 120
gcatcctatc cgaagacatt atactgac 148

<210> 13990
<211> 186
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13990

gtttggaaa taagtgtggg ggtttggc tttgacaaac ttgttgtgg ctatgctca 60
tgatgtatn tggccatact tgatatacat tgtatatngg gttaaatgtt ggacatgctg 120
aatgaaatgt tgttctcaa aagctataga agtaaaaaaa aaaaattcg aaaaaaaaaag 180
aaaaag 186

<210> 13991
<211> 438
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13991

aggactgtg aaaactgtat gcttttagac gacnnctgat ctttgagnnc ntgggatnca 60
cccggacccg ggacgcaaag ncatttgag catgcaacca ttcattaaga gcaataaana 120
aacggtaaa tgggggaac ttctatcagc cgaacattat ctcattacag ataaggccca 180
caaatgcac atgtcaggg aacttaacaaa gctcattggt caaaacgcta tccctgaaag 240
ttgtatatca ctcttataga gaactgcata aaacgaccaa agatataat tttcctact 300
attnaaccat ttacagggtt taaaatagaa aaaactata tgtggcttt tagacgattc 360
tggtgctgtt ccgtcataag attgcacgt tcacctcaat gattctcata ataaatggtt 420
actttaaagg ttctctag 438

<210> 13992
<211> 402
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13992

gctatctana tcggggatga aaaaaaaaaac ctgtttat tatgtttact ccaaccaa 60

gcgttagattt caaaatttgcctt gtcctcaac tcatgcaaag atggaaatac agatattaca 120
ttcttttaat tgcattcaac aaacacaaac gcacatatac acgtgaaaca attaatataa 180
tttgaatattt gaatacataa atactatccc tatgtatgatt aataacttgc cttgtgacaa 240
tatataactac aacccagctg tgtaatatcc cgaaaaatg cttgatgact ctttcttc 300
tctgttcaca tactgcaaaa attcgaaatcc tattccataa ctatgttattt tagacaacat 360
ctttccatg ggttccatgg aagtgcgtt tcttagacag aa 402

<210> 13993
<211> 607
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13993

tgagatgtgn nnntttgaan cccctttttaa gagnncaaat ganngnnat cgatantcat 60
tcgagaancc acgcnnccgtt acccgggat accncnnaga gncgatcttgc caggcattgc 120
anacntnngg tttgttnngnn gttgtatgc aatnnaaagg nnaaccgaga caccaaaagag 180
caagaaaaaa taaaatggcc atatannngc ctacaggacg gtctttggga attggataacc 240
ataccaaaac aattttgtgg ggcccatnt tcattacacc ctttcgttg ggaaatgggg 300
ttaacccaaat atttaatta tcaatttcaa tagacgggtt ntactccttag aattatgcc 360
taccttgggg tctttataacc atgaaaaagt cacacatctc tggatgtgt tcaaaaacat 420
ttaaaatggaa aatcaaactc aacaaaaaaag aaataaagtg tgtcaaaatc 480
tgacncgtgg tggtaatac tatggcaaat atgacggttc aggtgaacaa cgtctgggg 540
ctttttccag gtaccttagag gaatgtggaa tcgtcccaca gtacacccatc ccggggtcac 600
ctagcat 607

<210> 13994
<211> 450
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13994

tatgggttag aagtaaatat aaaacatgtt gtctgaccat attcactttt aatngactga 60

cactcaattt ctttttgtt gctatctta ttgctctgaa gaaaatgtt tggtttattt 120
gattggttcc tatttaact gactgcacat tttggtaac ttgacaattt gtgcctttgt 180
gatgtcttgt catttgatt tattaattt cctatgaatt taactttctc atatgaatat 240
ttctacaatg ttcagagttc ttttagtagtt ttctattgac acactaatct gttactgctt 300
aatggcgtgt atatataat tttatataat atgaggaaat acctttcccc aaaatgtgag 360
gtttcgaagt tcaaattcac tctgagccat ttactgat gatgagaaaa tagacaatat 420
atatgtcaa aaaaaaaaaat atgcttctga 450

<210> 13995
<211> 478
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13995

ggcggtgatt ttgagcctt tgnagtcata tgatntttt anancnccga annncnanagn 60
gaccagaggt ttgaagcngg attttctat tcaagcagnt tacttacag cgacagaccg 120
aacaacaggg gccctgaggg caacgacgca cggcacaacc agaaaaccaa aacgaaaaac 180
caccaagaga agacgcacca acgcacgatt gcccacaaaa ncgacaaaca gaagaagaag 240
gaggaagaga nggaccanga caaccacacg aacactcccg aaaangccga cgccngcact 300
gccacggag aaaggacgac agangaacca ccggggacaa agagccccag agcccagcca 360
agagaaggaa cccgaaggca cggccacaga gaggcccacc acacgngaac acgagaacaa 420
gaacctcagtc gcccggcggac cgccgagcag gaacctggaa ggactgaaaa aacacgac 478

<210> 13996
<211> 386
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13996

gcggtaagct tgtattgcac ncttcaacca acccagcggta tgctggcgna gaaaaaaaa 60
ggtagctt tacnggncca ccacgggggg gtgagatgaa gcttcaatta atccctagat 120
tttagaggcaca aggtccgaga taaaacccta tgcttgac tctgttcacg ctaagatcat 180

cctgtaaacac gtgcagaaca ctttcactcc caatatactg gggatcagcg cacagaatgt 240
tacaccggga gacatggcgc tatctgaata tatgatatgt aggctgcgc ctaagatctc 300
tatatgcagc tcctcttgc gggggcgggg ttatacctat gtatgagatc tgtgtgaggc 360
ttcgcacgca cttatatacca taaggc 386

<210> 13997
<211> 500
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13997

aggcgcgtaa anttgaaac ccctggagag gccaatgatg cgttgtancc ctggacannt 60
ccacacgnac ccgagatccc tagagtcgat tgctggcggt caagcagagt ttaataacat 120
tgcaacaaga gnccacagga gcacggacga ccacgctggc tcaactaata caganacacc 180
ctccatagag cactcctaca cagcaggcat atccgactga cacacacgtc tgccacgaca 240
tctagcctgt gccacactgt cgattacacg tcatacgaac tactccacgg aactacctgc 300
tatactcacc gactacatat tcttactcga acggaagact ccttagaaca tgggagctac 360
atcctgtcaa atgcgccctc aacaccagaa tgagaagtac cggacctcac tcagccacgg 420
aatcctgatg tgcaaggaga caactcatgt gagacctcaa gcgttgacaa agacacttgt 480
cgaggaaaaaaa taaaacatgg 500

<210> 13998
<211> 495
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13998

gcagcaggc angagttcac tcatacaccn anaccnagac ctagctggc aaaacaaggc 60
aggagattta ggcttataat tgtcgtaaa aacgagcgggt cgttaatgt aaagcataac 120
tatatcttgc tattaaatac tcagagagag agatgtacac gagcataata actctatcgt 180
ctatgattaa aatccacaaa acatataat cctaacagca actcattaga aatacactac 240
acttcccaga tatacatggt ggcacatcgagc tcgacagatc ttttagtcaag ataatcaata 300

atcacatgtg cgtcttatgt cgtagactgt attgactgtat tatcgtaggg ctctacgctt 360
gctctaagtt ctcacctatc gagcatgtat gcttagccgt ggtgctgatg cagccctatt 420
atgactataa tgataacgca catacagtat ggaggcccta gctagatgcc atttgtatgt 480
ggagatatag gacan 495

<210> 13999
<211> 517
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 13999

aaacgtgaaa tgncccttg nactccggcg attccattga tanccgcgan acncnaactc 60
gaaccggaga ttctctacat cactttcatg catgcacact ntanttaaga caaagagatn 120
aaagaaatcc aagatggatg atcaagacag nctctaaagt cttataagag gtatattaa 180
tatgaacgga actncaattg aagtagcaaa aggtttggcc aagaattgtt agctaaaaag 240
tctttgtcaa caaatgtact ctctggtaat cgattaccac aggatgtatcgattaccag 300
tggcctaaac tgattcacaa caggtattag atattgaatt caaagtttgg aatgtgcaat 360
cgatcacaca tatatggtat tcgattacca ccattctctg aaccttaat tttaaaattt 420
cgacccttgtt attggatcac acacttacgt gagttgttg cgcaagaagg ttctcgagac 480
attttgaacc acgcatttct ttttgtgtgt tctattg 517

<210> 14000
<211> 326
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14000

agagagacca atcacgagca cattcnntgg tttgaagagg agtnagctgc ttgctcaagg 60
tccaaagcgt ttatgcgaga cagagaccaa catgttagcc atcgtcagca agtaccaaga 120
agaactaaat ctagccacag cccacgagca tagagtgcgt gacgagttatg cccaaatgtt 180
cacggaaaat gaggcttagag gaagggtgtat cgactcgatca catcaagagg caacaatgtt 240
gatggaccga ttttctttta ctttgaacgg gagtcaagaa ctgtccaaat ttctagccaa 300

ggccaaagca atggcggaca cctact

326

<210> 14001
<211> 529
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14001

agggggtgtg acnnttgaa nnccccttt agnngncgt tgtttcnnn ttgnncagc 60
ttgcanantc nnmcnnntn ngncnnggn ncncngggn cctnttttt ggcgcngcng 120
gcgttttgc tccttcgnn ctngccgcn ncncggcgcc cggggggngt ntccgggn 180
cgcggcctgc ggccnnctnt cggctcnngc ntccctcgt ttgcggcgc ttcnttctt 240
ccccctccgn tctgtnggct tcttgntgt ttctcctcnc cctttcctc tgntcctcgt 300
nctttgtcc ctctgnntgg cccctgcctc ccttgctctc gtctcgccc ttgttgcttg 360
tgtttgcttgc cttcgctgc ttgnnnntgg tccgtgtctc ntgcctcg tcntgtggc 420
gcgcgtggct tttgcctct cgtctcgnc tcggcctgg gccttgccn gcctctccgt 480
gggntcgcgn ngtggttctt ctccttcttgc cctgggtcgtcgtgtgtgcg 529

<210> 14002
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14002

cttgctaaac caaaatctgc aacaactgct tcaaagtctt catataacaa tatatnagca 60
gcttcgaaat cacgatgaat aatcttggtt tcgcaatgtat cgtgcaaata agcaagcccc 120
ttaacagttgg tgggtgtat tttagacgtat ctacaaaaat acaatcaata tacataaaaa 180
cattttact tttaaaaaac atgtcgaaat ttaactacaa gaaattttaa ttgttttat 240
gctattttag cataggagtt tatttgtatt ctgtttcgac tgcattaaat gagatactgt 300
tgggtttt gtggaggaaa ttataaaaaa gagaggagag aagagagaca ataagtatgc 360
agagggaaata gaattattct attctaaatt caattgttctt caacaacgtt acantaaata 420
tctaaagata actaat 436

<210> 14003
<211> 359
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14003

ctcccttgag tggcatttgtt atgggttgtt atcttgattt ttgcattttta gtacatttga 60
tatcttttg gattgtgcat catcataatg catgtgaaga aaattttcta agtttagaaaa 120
atttcttcag aggcaaaaac tctaggttnt aataaattac aacctcgttt taatcaatta 180
cagttacaac aagttgtctg aagctttagt agttaagtct catatcggtt taatcgatta 240
ttgatatctc ataatcaatt acactgttgtt ttgaggcaat gactaatttta gtcaggagtc 300
tctgcttaa tcgattacca agtggattaa tcgattactt ttctcttggtt caagtgttt 359

<210> 14004
<211> 386
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14004

tgctctttn tacatttgatg tttgtattta ttggatgagg ttgtatgcca ttctttgttt 60
taaggtagc atttctgggt aaaactaact ttccaaatgt ttgccttgc aggaaatggc 120
cccgaggaag cttgcctcaa agaggtccag gaaggacaag gcggccgaag gaactagttc 180
cgctcctgag tatgacagtc accgctttag gagcgctgta caccagcagc gcttcgaggc 240
catcaagggta tggtcgtttc tccgggagcg acgcgtccag ctcagggacg acgaatatac 300
tgatttccag gaggaaataa ggcgccagcg gtggacatca ctggttactc ccatggccaa 360
gttcgatcca gaaatagtcc ttgagt 386

<210> 14005
<211> 215
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14005

gaggactact ggacttctac taaaccanng ggcgggnntt gggnnattta ttggngnggg 60

ggtgggtgggn gattcgggtc gggatttggt tttcttnga cngAACCAAC ttggtctcct 120
gaaataaaac gcgaactatt ctccacaaga agaacgcgaa ctgccctcgtaagtaccat 180
gtacagaggc cgccaaagct ctgggagaaa agat 215

<210> 14006
<211> 480
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14006

ncttagaccg atcgnagnncg tctacatnng cacncagctg cacttgagac annggnaaca 60
gggagtgggg gaaggtgact ttccaattat anagangaca cgggggagga gagggaaaaaa 120
tcaaccacac caacaccccc cganaccaga gaggacgacc tncacgacgg aggnncgcgaa 180
cgagccacaca ccaccgcaag gagcaaaaga cacagggaga ccccgacaca agacacagaa 240
aacaacaaca agcacgaccg caaacaggca caggcggggg ccgaancagc agacgaccga 300
aacccgatcc cgagtccaca gcggtcagag caaagacgag acgggacagg gcagaaccca 360
tgaccaaaga ggcgacttt tgacacttga cttcaatgg tattaatcca gtacatctgg 420
tttaaacggt tacaatgtca aatcccaatg acattcaatc ctggtgtgtt gatcgacccg 480

<210> 14007
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14007

tggcagcctc ttttcaatg gaactaacct ggtttatattn ccttgatag ccctttggag 60
cgtggtttcc ct当地ctgggt ttggAACCTC actacaagcc ttaagtgaaa aaccatgata 120
ttacattatc cttaggaaat ttgggagctt tggaaattgtt tggggataag tgtgggggt 180
ttttgttcat tggacaactt gtttttgac tatggctcat gatgtatTTT gggcctactt 240
gatgaacatt ggattttgggt aaatgttggc catgctggat gaaatgttgt ttctcaaagg 300
aaaaaaaaaa aaaaaaaaaa aggcaataga gttgagtgaa taagatctt aatggcacag 360
gaatgatgaa actcttggcc tacccttcat ggttaagtnt aatcttactt ct当地tta 420

<210> 14008
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14008

taactcttga agaagttgtt tgatccagac taactcacaa gtggttgtgg ccatagccct 60
acattttgct tctgcactag accgagcaac agtgtttgt ttttgctca tccaagagat 120
aatattacct caatggatac acaatatcca gtagtggacc ttctgtctat ggagcatcca 180
gtctttaact tgtcctcata taacaatcct tgtcctggag cttctcaat gttcctgaga 240
atgcgaatca caaccttctg gtgatcaaca tgaggagctt acatgaatng actaaccagt 300
cttctatatac tttctggatc tgagtatgga tcaccttgggt ctgccattaa cttttgatt 360
ggatctatag gaatattaac gggtaaacag ttagtcatgt ctggttcttc ttaaatatca 420
agagcatact nntctttgaa gactatatg 449

<210> 14009
<211> 251
<212> DNA
<213> Glycine max

<400> 14009

gaaatgacct ggaacgtgac tagctgaaca gagcagggcg gacttagacg gagtctatac 60
ggaaaaggc catgtgaagg ggagacagag acttatataa ttttgatgcc acacgaggta 120
aatgaactaa aaagggagca cctgataaaa cacctaata tgaacaagtg gacgcatacg 180
acaccggata atgaattatc tcagtgtggc aacataagat ttgtgtagcg agtacaacgt 240
ttgagagaag a 251

<210> 14010
<211> 245
<212> DNA
<213> Glycine max

<400> 14010

tcatacggac gggggcatgt tagaataacct ttccaggctc aaaaagtgc a agaaatgatt 60
ggtgtttctg cgtatctg gaaatgcgt gaactccctg agcgagcatg tcgcgcataa 120
ctagttcatc aggacttatt gaatacatgc ttttgcgaaa gaactcgta cacgagccta 180
ccttgctaag taagtgcattc tttaaggat gaacactcat gctcttgctg agatgtaagt 240
ggcta 245

<210> 14011
<211> 234
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14011

gaatgactga ggcatgactg aactgccaag acggcacng ttgagaaaaat tccggatccc 60
aggcttatac caaccaatcc cattaaaatt ataaatatag ttattgactt aactacaaca 120
tgcgggaaat gacaaatctt accggtaaaa ttctacgttag gaagtgaaaa ccaatgaaaa 180
agaaaaattgc tatctaagga tggccctttt ctgccattaa agtatgttagt gcac 234

<210> 14012
<211> 348
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14012

gaccaatgga aaacgtgaat gccggaatta ccatagacta cattcaccaa aaaaaaaaaacc 60
ttaaggtcca taccctcgcc ttctaaaaag catgcttcct tctttttgc cgaaatagaa 120
attgttgtca cctaattctaa aaccaccatc ctctcgaaacc tcatgattgt ggtttgtgaa 180
taacattaaat ggtgagtcta ccgagggtga gtggaaatga aagagccaat tgtgagaagt 240
gaaaaaaaaat ataanaggga aagtgcacatc aaaatgatgg gttcagaata tcaatagaac 300
tcattacaat ctctcataag ttgatagata agggatcctg agaaaacg 348

<210> 14013
<211> 170
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14013

ctctgattct gcttgctgat gagaagaaaa agctttggtt aaaataaaaa ggttcccttt 60
ttcatattna ttcagcttgc catgtcctat tgatgagcaa aggcccactn ttctttact 120
gtgacctact cagccaaagt gaaaaactga ctgaaacctt aaatctgctc 170

<210> 14014
<211> 235
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14014

actggcggtg tgcatgaatg gcagattctc tntcagattc ttccaactcg ctaagcgagt 60
tgagtgcctt gcttagcgga tgttacttgc taagcgcata tgcctcgctt agcgagacac 120
cagctacttc aaccttcttc ttcttcattcc tttagcctga aactgaagtt gaaccacatt 180
aattcacaat attggaaata tctactgagt gaaatggac taaacataaa tatgt 235

<210> 14015
<211> 407
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14015

ggcggttacc tgatccttg gagcatttat cgctgaacct ggaaacccac cggaccggga 60
tcccaagcga ttgaggcagc aaccggttan tcagagaggg cccacaacag ggacccccgg 120
cntggncaaa ccccaccaga aaaanaaaaa gccttctaa caaaaattaa gatgaccgaa 180
atatataaaag ttaacttaga ttagagatca ataactatca gacagattt aaaaatcctcc 240
aaaaagtaat gataccctac actctagggtt gaaaaatagat ccacgcccta tgagataat 300
aataatattc cctatattct ttttttcga ctatatcctt cgtcatataa tatcatgaaa 360
gaaaattatc caaaaatgtt ttttagttta aataaataat tatttct 407

<210> 14016
<211> 458
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14016

tattacaat gtaganataa gctgcatgt aaatcatgtat tgtttcaagg agttntgatg 60
ataaacagaga ttagtgcacaaa aaactcaaaaa gtcaagatca cttcatgata acaaagatga 120
tgacattcaa gattaagttc aagattgagt caagaacact tcaaggatca aaaganaatt 180
tgatttcaag aatcaagatt caaaattcaa gaataatcaa gatcgagatc taagactcaa 240
agattcaaga atcaagagaa gacttaatca agataagtat taaaaagttt ttcaaaaacat 300
tgagtagcac aagaagttt cacaaaatca ttaccaaaga gttttactct ntgataatcg 360
attatcanat tatagtatc gattaccgt ggttttaaaa cgtaagatt ntcaaaattc 420
aaaatgaaga atcacatctg gtgatgtgta atcgatta 458

<210> 14017
<211> 408
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14017

agcgtgtatc tctggctat ttctttaaaa ctgtcactt agaaagttat gactttgaa 60
agaatcttca gaaacaagtc acttgaagaa ttgtgacttt tgaaaatgtt ttttcaaaa 120
tcagtcactg gtaatcgatt accattaagg tgaatcgat tacacatcaa cagatgtgac 180
ttcattntga attctgaaaa tcttagcatt taaaaacact ggtaatcgat tacatgatta 240
tggtaactga ttacagctt gtaatcagt ttggaaaaaa tgctggctac tggtaatcga 300
ttactacctt ctggtaatcg attaccagag agtanagcac tttggtaaag aaatcggtga 360
ataacttcatg tcctactcaa tggttctgaa aaagttnttag tacttatac 408

<210> 14018
<211> 335
<212> DNA
<213> Glycine max

<400> 14018

tctaataatag ttctttctc cgaccgatta tggcctttt atgttccaaa cggggagaga 60
acttaagggt agaatctagg aataaaattcc aatcttaagg gggagtaagg attgatagca 120

cacatttatca atcgcatatc gcttatttag acctcagatt attgtcatca taaaaagg 180
ggagatcgct caagcatata tgatatgaca gtatgtat accaaagatg agcgtgattc 240
atgtcaacaa ttcttagatc cacagaagaa cgatgtcctt agttgactag atcttataca 300
gaattcctta tgagatgccg cacaagtacg gctaa 335

<210> 14019
<211> 390
<212> DNA
<213> Glycine max

<400> 14019

tcccaacctc ctttcttgt tagaatatca atggggac aagtggcctc aaatatctta 60
gaaagggggg ttgaattaaa atatcacaat ctcccttat tcaaaagttc tattttgatt 120
ttaaacccaaa aacccaagat ggcttcaaa atgacctcct aaataataat gcaaattaat 180
cttactgatt agaattatta agaattaaac attaaagaag ttttaaggaa gaaagattgc 240
aaactcagat ttatactggt tcggcacacc ctgtgtaaaa tttgaatcaa atttctaaat 300
agctgtataa tcattttgcc actacatcga ttaccgagag taatctctt aaaaagttt 360
gacaaaactc taaaaatga gagaatgatg 390

<210> 14020
<211> 400
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14020

tgcctcanag agatcttagga aggataaaagc ggctgattga acttttccg ctccccata 60
tgacagcgcc cgttttagga gtgctgaaca ccaccagcgc ttcgaggcca tcaaggatg 120
gtcatttctc cgggagcgc gcgtccagct cagggacgac gagtataccg acttccagga 180
ggagatagtt cgcggcggt ggacatcaact ggttacccccc atggccaagt tcgaccaga 240
cgtagtcctc aagtttatg cgaatgctt gcctatagag gaggacgtgc gagatatgcg 300
atccttaggtg aggggtcagt ggatntcggt cgtgtggag gctctcagcc agttcctgcg 360
ataccctta gtgcttagagg atggccagga atgtgagtat 400

<210> 14021
<211> 278
<212> DNA
<213> Glycine max

<400> 14021

gtcattaccc ttagcttac tgaacttgaa caccggcggt ttagcatgag agcgcgttgt 60
atgacgggga agcagttgct ctggatctga ctatgaggac actggagggg tatccattta 120
ttgaaatgtt gctatcttac gactatcaat attgtccaat ctctctatat agaagtaggc 180
aactttttt cgtctcagga cctaaattaa atcatagatg agccaggtgc ttttaacct 240
ttacatcgac atgctacacg gactgagcgt cagcattt 278

<210> 14022
<211> 302
<212> DNA
<213> Glycine max

<400> 14022

caccatggag acgcagcgg aatacaaacga taagaggtga gaggaggcgc catccactat 60
ggaataagcc atggaacaag gagtttcacc accaagatga tccttgaga ggatgcttca 120
ctggaggaca agaaagacgg atagatagac agagggggga gcacgaaatt gaatgaacac 180
aaagggtgat aagttaact tcgacctgtg tctcacaaga ctctcattca tcaaacgtac 240
taacagtgtt acacatgctt ctatttatag actaagtagc ttccttgaga tgcttacttg 300
ag 302

<210> 14023
<211> 397
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14023

tttgcgtat gcaagctgt tttagatgtt atgaaatata tgctgaggct tcgcaacatg 60
aacctgcgtat actcatggta acgaatttgt tcttcactga gggcatttac aatggcagca 120
ccctcagcat tcttggagg aaccctatgt tgcaaggtgt taaagaaatg ccaattgtt 180
ggggtagtgg gatcttcaaa tatgcaaggg gttcttctgt gcttaagaca catgtgcattg 240

atgctaaagc tgggttgca attgtcgaa acaacgtgtc tgtccatgcat gtttgagtga 300
aatagggtga agttgcttctt tataatatan gtttngtttga gaagggtgagt ttgaatcttt 360
ctcttctaatt ctctctaatt ttaagtccat tcgtctt 397

<210> 14024
<211> 356
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14024

gacacaacat actcagcttc tatccaagct catcatggag gagagtctcc ttcttctatg 60
gcttattcct cannggatgg ctcctcctt cacctttctt cctttgtctt tcgctgcac 120
tccatggtgg aaaatcacca ttgaaggacc tcattgaagc tcacagatcc agcctccata 180
gaagctccta accccactac cacttcttca aatacgagtt ctattaaatg ttttaagtgt 240
ttgggaaatg gtcatatctc ctcccaatgt cctaacaaca ggactatggt tgtgtgtgt 300
atgggatatc actagcacat attcttcttag tccttcttagg aaactgatga caaacc 356

<210> 14025
<211> 393
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14025

angaccaaga gaangaaggg ncatcatgct cagagctgga gggcctcttc cttgatactg 60
accatgtctt anacttcgta cttgatctgt aattccaccc gtatatgttc ttgcatctgt 120
tgcgcctgga gagaaaacct tattgctaga ggttccctga ctgcgatagg gatcgtggca 180
tatgtgttcg ttgtaaggcg cagaggggtc accttagtca ttggctgtatg tgaacaatga 240
tgagcatcaa gtatattgga ggagtgccttc ttggacaaac cttcgactt gtaagatctc 300
gtgcggagcg ctgtaaagat aaacttggta gttgcctcta cttggccagt ttgctgggg 360
tgttcagaaa aagtcacaag gtgctagaca ccg 393

<210> 14026
<211> 661

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14026

cgcattcctc ccnnnnnnna aggggcnaag gcnaacgatg gggccgnttgcagntnnnc 60
tnctagcnat tnnacgagac actccagnta atactcaagc ctnttatatg ccgcaagtag 120
atagaaagtt gctatatagn tagtatccat gttgacgtan ngccacatac cagtgtgtgt 180
gcctgaacgc anncgtaaa cccattcatg tactttcn tctctntctc tcgtatctat 240
ctattcctct ttatcttta attcatatcc tattacctac accaacgtca tccttcgtcg 300
cgatcgagat annatacgta ngaacaccat agtgcgatag ggaccttcata aagtncacac 360
gaatacgnctc tacaacgaga agaattcgtg cgctgatgatn attattaaga tatgtgcagg 420
ccatagaata atgaaacttt cactcaanac caatgataga atcaatagcc atntacctga 480
gtcacccatca cacaatatg agacattatt tcgggatgat attggagaat ttacacggct 540
cgatccaaca tagttcatgt gatccaaagt gtgcataatga tgtccttact aatatgatag 600
atagaaagcc acaccatcgt ataatgtagt tcttagacgt taaatgatca ctgcaataacc 660
n 661

<210> 14027
<211> 390
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14027

taagcttatt ccgatatggg ctcaaaacgg cagcaggtat cttcagttc tgagtaagt 60
gtctccatgg tttgttcate aattcagttg gctgaacaaa atcatcctct tttcatttc 120
caaaaccacc ttcccttggc catatagcat tgccatagcc atagttccc tttgttcaaa 180
gagccaccta ttatgatcaa aatctccagt ttggctcctc accagtgctg acttcgttg 240
cttcatcatg gacaatctcc tctccattnt agacattcca ctgggtggag gaagtagaa 300
gggatgccca ttatctatag ccacttcate tagttctgtg ttctgatatg gctccttgca 360
tcctgngcat atccccacnctn ctgttttact 390

<210> 14028
<211> 383
<212> DNA
<213> Glycine max

<400> 14028

atgaagtgcg tgagacaagt agttcaatta atgtttggtg atttacactc atgacaagga 60
atatcaggac gtgagagtgt acgacaatca ttttcattca atgaaaccaa gctgcatcca 120
ttctctggac aatacctcat tcgagtcaat cctcaaatta tacaaatata ggccttctat 180
gcataaatgc ctgacaaaat gttgggtgat cgaataatac aagcatatat tctatctacc 240
taagtagagt attaagcaaa taccacaagt tttttgtgt tacagttgg taaaaactcat 300
tacttttac aacaatttat tatttacgt atataaaaat gtatgtgcc tacaaaataa 360
ttaacgctat gaataactta tga 383

<210> 14029
<211> 273
<212> DNA
<213> Glycine max

<400> 14029

agagttatga gcttgaacgt atcttgccctg accttggctg agggggccctt tttctaaatg 60
gaatggggaa aaagcacctc taatcaacct aattggaaaa tgtccgagaa acaaccggcc 120
tcatgtccac gtcggggatc cgaattacgc ttactttggt tcgcttaccg atcccatcac 180
ttcatatttgcctat gttacgttat tctcttctcc gcccttgcgt tacatctagc 240
atttccatc aataaaaatcc gcttgagctc ttg 273

<210> 14030
<211> 358
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14030

acattcttgt gcttctttg tggaaaatac acacttgctc aaactcatga aaaggaacac 60
aaactccatc acaatcatga attcaattca naataaaagac atacgccccca tttcacana 120
aattaaaaat aaaaaaataa aagtgtnta ctgccatgtc atagaaaaca agtcaaacta 180

ttcaaaatgc ttcaggatga gcaaactaac tactaataaa taaaactagt agtgtatgt 240
gacataaagg aaatattgt aaaaaaccat aattataata ataaaccana aggcaaaaag 300
tatcaccaag aatcaacaat gtcaacagtg tctaaaccgg ggaatcagtg agagcaac 358

<210> 14031
<211> 497
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14031

tggatgannn ttgaaagctt ggaagacagt gattcattga gacccggat ctatgagnnc 60
acctgaggca tcaacctgta tgttaagtct aacaattttt tcggcctgtt gcaccaatgg 120
taaggggagg taatacaaga catcttgcca aacaaagtca ggtagcgat aactcgcatg 180
gtgcttttt ccttccatgg cctatattgt agcanaagtc atttgcattca gctcaaggtt 240
tgatgaagtt tgaaaaatga tgccggaatt tatacttgcg cacagttgga gatgttattt 300
tctccctgct ttcttgaca tgatgattca ctgttgcattt catctggca gaaaaatcaa 360
atgttgggtg ctgttatcta cggtggatgt accccttgac cgaacatgga catcttaaac 420
ggtttgcaag aatctatata tccagaacct ctattgtga aagacattgc aaagaaccat 480
gaattcttc aaaactg 497

<210> 14032
<211> 339
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14032

cattctccta acaaagtcga acatgccata actcaatcgt gcttttctt caatgtcata 60
tgttagcaaag accttgatcc tgccaaatgtt gatgagctg aaaaatgaggc taccaataca 120
ttgtgtcgca tggagatgta tttacccctt gagttcttcg gcattgcggc acacttaattt 180
gttcatctgg tgagggaaat taaatgttat ggtcttgcattt atttgtggag gatgtacccg 240
attgaacaat actagaagat cttacaatgg tgtacaaaga atctacaccg ttntgaagca 300
tctattgtgc gaaggtacat tgtacaataa actattgag 339

<210> 14033
<211> 530
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14033

atgcgcgact canaantta gaaaccctg tgagaaagac gnttgannc catttgatna 60
cctttgnac anncaatcg ngnnncacag gagtgtggcg cgggnncca tctagatgga 120
ggggaggagg ttttncccnt ttttagccg gcacgacacg ggngacacag cggcttataa 180
ttacctgatt atacagcact ctccctagatt gccctataaa tttatagtgg accgttaaaa 240
aatatgagtt atataaaata catcaacacc cactattcg tgcgacttaa ttaattatac 300
gacaccaata ggaactcttc tatthaatag tcaactacag ataaacaaaa attccattgt 360
gttgccacaa agacctgctc tcgaggattt tatgctacac atcttatttt cgttatcaac 420
atcaccttgg gtacaaataa aatggatagc caatttcatt tcccctatct aaatttggtg 480
gtaaatgagg ctccatcccg ctacaactca aaaccatatac tcgatggccc 530

<210> 14034
<211> 517
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14034

cgcagatgga tattcgatgc tanagnctc gaanaacacn caancnanan cacanggccn 60
ncaccgcnag aggaggagag tgggacttat nttagctat tctgaccanc acgcccagat 120
acatgcacag aagaatgtac aacctacggc ttcttatcat ggtgacaatg aggctacatt 180
cctcctgttc gagactcgcc atctccatat acatccctaa aattctaaca aaccagacac 240
tgtatttatt cacgcaataa acaaacccttc tccttaccca ccatccatct atcacaacag 300
ccatccctaa taaaccacac agtatcgcta ccgcactttc aatgacgaac atcaccttta 360
acacaatcct aatacaccaa ccataaaatg atatgtgcag caagaaagcc tgtgttaattc 420
accacaatac cagtggtcta tgctgacttg ctccaaatact actcgattat taaatgatgg 480
ccgtacccta tccaagggttc ttgaactctc atatttt 517

<210> 14035
<211> 451
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14035

aggaggtann tttgaacccg ttggaggcct tgatccatcg aaccctggaa cccaatannc 60
actaagggtgg caggctaattg tagcagagag gccaacatat tctnccaatt tccatggcgc 120
gacaaaaggt cttccatggc acgcagggac ccaagggaa aacacagaac cccctaattgc 180
tcccctataa ataaaatgca actcttggaaag gcactactat tatggcagac gatggctatg 240
ccggaaacca ctaatgactg cactctggc atccatgcta cacttaggaac atgtctgcag 300
gatagtaacc aacgatcatt gaatcgctaa aaatatccca cttgtggggc ctcccttgga 360
tacatgctat gaaggggaac ttcatttcaa atggagggtc ccaactaaag gacatgccaa 420
cgatgttact tgaacatcgt atggaaagag g 451

<210> 14036
<211> 329
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14036

tggaacatag tgtgggttcg agtagtatag catataatnt agcacaaaaga gcttcttcat 60
tttgctcactg tccttcaaacc aaaacacctg gcatacgaca caggacaata taaaatgttt 120
atattacagt aagtccactc aaatatttct aacaaggcaga tgaatcttaa ctcattgctt 180
cattcctgtt tgagaagggtg atatgctcta cctcatagac ttcattggatg agactttaca 240
atcttaaaac ttatatgacg gcatgtggat ccacgcttag gcctataaac aggataagc 300
tgataggatt ttggtttcta ttgaacccaa 329

<210> 14037
<211> 226
<212> DNA
<213> Glycine max

<400> 14037

gcggatgact gagcatgact gaacagcaac acgccggaga aaattgtcac gtttacggaa 60
accgggctta atccccaaag acgtcctggg ggagcaccag ccttgagact ggcagtaaag 120
cggcggagac atcaacagcc caccaaaaag aacaggaaca taaaaaggcc catataaagg 180
aagtttatgc aacgggaccg ttaaataata ccacccaacag taggct 226

<210> 14038
<211> 452
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14038

ggggcncc cgagcggtga ctatggctat gcacncgcca caananacca agcnctacca 60
gcgangaggg gagagagctt ttcttatgctc tcccncagg atagcggcga ctctcacctc 120
attaaactttg tctccccctcc atcaacatgg tggagaatac catatgcaga cctcttgaa 180
ctcaaaaattc aacctgccta gtacctccgt acccccactac caacccttca atacgacatc 240
tttcaatgtt taaaagtcca ggacatgcgc atattcctct catgccctac aaaaagataa 300
tagtaggcccgtt gtaaaggaca cactactcat ttcttatatt cacaaaggac cgggtcaaac 360
ctaaacgtga tccattggaa agaagatagg gtgctgatca tgattacaaa atcaagcaac 420
acttcctcat cggaggaatc caggacctqa gg 452

<210>	14039
<211>	338
<212>	DNA
<213>	Glycine max

<223> unsure at all n locations
<400> 14039

agagtaattg agcatgagac gtgatcatga ancngaccca tangncnnga gaaagaattt 60
aggggacaca cattacgggg gaaaaaaaaag ggcccccAAC gcccggcaacc aaaaggagaa 120
aagcccagga cacgccaAGC gagcacAAAC gaagggcaga acaaaggaga gacagAAAAC 180
aagaacggcc aggaagagca ggcacacgag cgacaAGCac caaggccGCC gagacagcaa 240
acgccgaccg aaacgaagag cagaaACAcg ccggAAAAGA agggggggag gaagagacgg 300
aggccaACGG aggcaACAAG accctgacag cgagcccc 338

<210> 14040
<211> 653
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14040

agggccccng aggcatgtac gtttgcann ngtatcgaa ncnnnatnca tcnnatanc 60
naanacacnn acacngnnn agggnaagg aagaggaggg tggagagagt tactacttc 120
tccgcncncc cncncnccc gcncggggc cgtatgtac aganannaca cnacacaccc 180
acataccact acatccaccn canagcncaa tggatctaata atctagaaac agcgtcagct 240
gacacaagaa taagattaaa cctcnngcaa tngactatga taacagagca agacattgct 300
gactccgatg tgatgtatcgc gacctgaccg cctcgaggta tatacgacg ctgcagagta 360
tctcatccga tgtgcgtcat tgtgtgacct cgatcgatt ctgcattggac attgtataat 420
ctatcacatg gtggactac tcttacacag aactgtatat atcactatct tcgcaacaat 480
gcggatcggta tgctacgtg cgtggctact acgacgggca tacgaagtac ttaccgaac 540
gtgacatgca gcaattactg cacgcgagtg aagttataga gtaggtacac cacatgcgcg 600
tgagagacaa tgaacttgat aaggacagaa tccatcactc ctggtaagg cag 653

<210> 14041
<211> 510
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14041

agggtgcnat ttgaaagctt tggaaaggctt tgaggctttt gaaccctgt gaaaccatc 60
gngnnncatga gatgggtgag ggacacttcg agaggcgagc gagctttta cccttgtac 120
accaacgggg agagaagaac cacgagttag aacacacaca caccaaaagc ggggagaggc 180
cgcgaggaag gatgcactca cctaattttt acattccaaa cgatctgcaa aggcttgagc 240
taggacagca tcaatgtgg caaagttatg tcttatacgat ataccgtaga ctcccttaag 300
gttgtaaaga cgactccacc aattctcatt tattgttata gaccgaaaac ataaattatc 360
ttcatggccc ctatacctat gggtgagttac ggcttttg ctcaaggta acgcgttaggt 420

gctgaggtaa ggtaaacctg atcttcaga caacggagac actctactat gctcatagtt 480

atacttaaat tcggcctgag ttagccntcn 510

<210> 14042

<211> 280

<212> DNA

<213> Glycine max

<400> 14042

tcgatca tc acttaattt ccatatactc cccctttgtg gttgaatcta cgcttcactc 60

gagattaact aatttaagca tatgaggtgt tgaatcaatc cctattgtct ctccccctt 120

ggcattaaca aaaagccaaa gtgcgtaaga aacataaaac atacataaat gattataatg 180

catacgaccg aatgtaagca catatcacta aacatatatt atcaagataa ttaagttac 240

aactgcatac aattaagagt gagcagat aatcatgttc 280

<210> 14043

<211> 514

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14043

tgagtgacan nanatttcaa naccgttttag tgaagccccg gtgtatngcaa tcgtananc 60

attgcgaann catgctcgga ncctgaggat gctgttagagn cgaccgtgca gtatgcangc 120

atatctttt tttganttct acatccccn anaaacaaag actgttttc acaattctct 180

gctataatag atcaccctgt gatataatcg actacttac tttcataaca gatccacaag 240

tgatcaagag cactctcatc tatgacattt agagtataat ctattacatt gctcatgaaa 300

gtctatcaat tttatggaat aacactttaa tctattgcaa tgatcaaata attcgtatct 360

ctataaatacg tcacccgtg ctctcacttc aataacctcc tataacttct taatgaacta 420

aagtaccaggc tattttctca tgatacgaag atagaaacaa tgcttctaac agtgtgctcc 480

cacctataac ttcgattttg agacaacttg cgat 514

<210> 14044

<211> 462

<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 14044

agtgtatctt gcatgcacnc ntcacaacat ccaaccnac acagcnggag aaggagggga 60
gagatatctt tttacnnccc cacggccgccc ggggcctggc tggagaagac caacaagaat 120
cccacaccgc gcactgcattc acagccaatt cactccgact aaacctctcg ttcacaacac 180
acgcaactat accacgcctg tactgaggcg acgaactccc tacaccgcaa acactgctac 240
acgaccaccc gaccatagct gatagaccac cgatttagta tctagctcac gatcatgacc 300
accacgcacg ttaacatctc agtaacaaca catacaacac cacggagcca agcttggaca 360
taatcaacta tacctatcga acaacacaca gacatatcac cacaatacga gcaacaactc 420
agcgaagtct caagagcgcc cacaccggga aaacaggagc ac 462

<210> 14045
<211> 309
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14045

gaggnatga acgtgaacgt gatcatgaac tgaaacatga anaaagagag gggcttttag 60
ggggggatta gcnccttttag gnngcgaaac aggaccccaa gataggaggt ccaaataattc 120
ctgctggatt gaagaaacga agcctgtact ttaagctacc gggctggag ataaataatt 180
gtgcacaatg aacagaagaa ttccgcctga tgaaacctgg tattctaaag cgtctttaca 240
tgataaagct aagaggtaa tagatgaaga cctattcaca aaactgaaat cgccctcta 300
aaggctagc 309

<210> 14046
<211> 310
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14046

gcccgaggt gtgactagct cacacacacn atccnaccgc cnnggggggg ggtggtaag 60
ttacccccc ggcgcgcgtg aaatggtccc ttccatttag tggttagttat caccgtctgc 120

tatgaatcg gggcatagga gtaccacgac tgcgattccg ggacgaagaa ccaaaccgac 180
gcttcaccca ctagactacc catgtctgaa aaaccatgca cctttggac aaagcgctac 240
cttaccgttt cccgacatta taaaagtact ttccgaaacg agcggactca gaacgtcgcc 300
gctcgctctc 310

<210> 14047
<211> 471
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14047

ggatgaactg anctttgaa cggtgtgcat gacttgaanc aagnanaaga ggagcnagag 60
gattttatgg agcagagcgg ttctcacatt ttaaaggacn gaagaaggcg natactatg 120
gtgggggaac gtatcanaaa agaacaccag gccgatatac atacgncta ttgctcttag 180
cgcatccatt atagaaaact attatggat actgtcaagc agctaatacg agcacttgag 240
gggttggggt gtatattggg cgatttaat tccattaagg accctgacga aagatttggg 300
aggtgccaaa gattatccac aagatcgctg atgagtgaat ttaatgaatg gatagatgat 360
tggagatctg caagacctta gggaggcggg gatttattcg acataaccat ggagcgctaa 420
aaacgatgac cgaaaaatgc tccttacatg ctgttatgc cctgcagatc a 471

<210> 14048
<211> 277
<212> DNA
<213> Glycine max

<400> 14048

cccccgaggg tacatgatct tgaaccaaca accaccggag ggagagggaa tacttattac 60
caagaggcgc ctggttacta gatacaaacg gcttaattag gtgcataaat tagatgtctt 120
ggacaccaag ggttcaagag ggaatgagaa aatttctccc taaagacact aattgtctcc 180
actgaaataa gacttcttca gaccctaatac ggaaccttag gtctggacga gctagcttt 240
tttaaccgc gctagcaata agattttaa acaatta 277

<210> 14049
<211> 431

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14049

agacggcnnt tcgaaggcctt tgtaaacgggt gantctcgat gccttcggaa ccnagaggng 60
ccaganagga aggggaanca tttgagggaaa cagcagcaac aaagtgtggc gcacagaaaa 120
ggaaaccggg gaacaaacaa cccaacgaac aaaangagga aaaaaangac gcccncgccc 180
accncaaacg agccccaccga cgccaccggg caagagagac aagaacacac cggaggagaa 240
aacagaaccg gccccgcana agacgacaaa cgagcaaaaa gaggacacgg ggcaacaaca 300
g gcacggaca tacagaaacg ccacaaaaca ggcaaaagcg gcccggaaaa ggagatgcac 360
ggcgaggcaa cgaaaccgac aaccagcacg gccagcacaa gccattcgcg ggcgatgaag 420
cagggaaaccc c 431

<210> 14050
<211> 405
<212> DNA
<213> Glycine max

<400> 14050

actcaagcgg agcagccaac tcctgaggc atgcctgatt attgaaaatg gtgattaagc 60
gcacaagaac gcctactctg cgaacactat aagggacttc aagaatgtgt tcaaggcatc 120
ctcatcaaac ttcaactaaat gacctctcac cctcacctgc gtaagtgatt tatcctcagg 180
gtcatagagg ttccataaaa attccttcac aacaacgatg tctatactgc tatcagacaa 240
atcacccaaac ttctcatccc aatgtctact cttgagatcc tccttcaact tagcaaactc 300
tgagaattaa ctaccacatt cctttctaag agtagcttgc catgcaccac aatgtatgt 360
tatctctact acacctctag ggtatgtaat caggatctat aaatc 405

<210> 14051
<211> 342
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14051

agagganntt tgatacgtta gagcgtganc ttgancatga ancaagannn naaaggcgg 60

aactttgtgg cgaggatttc nnccctttcg ggaggcagga ccggcctcac acagaatacg 120
atggcacatc actgtgatgg ccgcattgc tgaaaacaaa gacgggacct ctaaagctct 180
gggcctgggg agatgaaaga acaatgccca gggtgagaaa aacatcttgg ctctggtaa 240
agcattggca gctacaaaca tctcgcatat aatactctga ggggggagat gtcaaaaact 300
tatttacaaa acatggacaa tactctgcag aaagttatat cn 342

<210> 14052
<211> 409
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14052

cttgagctnt gagcacccac gactgtacct tgagcattgt angtttttt tcgacccaca 60
cagttccaac agcagtgtag ggtttcttc gactttctt ttagatagaagg ttctgtgggt 120
tccagccagc ggttccaac agtacgaaa tgaatgtggg gcaatgtggg tgtcgaccga 180
gcagttctg gcagattca tgtggagga gaaagagaag agagagtgcg gcagggttt 240
cgagcgcgcg agttgtgaaa tttcaacacg ttttaactta ttaacataac aacatcaaca 300
tcagttttt aaggataaaa aatgttagga tgaatctgtt aacatcgct ttctaaaaat 360
cgatgttaac ttcaacaagg taacatccgt ttctcaaaaa ccgatgttc 409

<210> 14053
<211> 260
<212> DNA
<213> Glycine max

<400> 14053

aaagattaa aagtgaggaa tggaaggat ctgtaaaaaa caacggAAC ccatggggat 60
aattatgatt gacaattaat aggatcatat attataggca tggttatgtt acattgtaaa 120
aaataatagg gatggataaa tgatatgaaa aatgttacat tccagacaga tgttaaatga 180
atgtgactaa gagaataagg tcaaaaataa cttttgggtt cttatacatg agagcttattt 240
gactcataat gctgagctat 260

<210> 14054

<211> 342
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14054

ttgcattgct cgggagcggc cttgggtta taaatnttat agaactcctt gactaggct 60
aagttaatgt gattatctgg ttgcctggtc aaggctctgt gccacttgca ctcctccctg 120
gtggaactca tcatactgtg agaaggccaa ctccacattc ctttatggga ggatgttcct 180
gcaatggacc attttctcat atcgcttcca ggcgaccta aacatgaacc gagatgtgtc 240
gtanggttcc tgaagtctgg aggtggaagc gcgtctctt cttgagacca tctgcaccaa 300
aacacagcaa atgagtcaag ttagacaggt tttattgaaa aa 342

<210> 14055
<211> 484
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14055

aggactggan ctttgaagc ctttnggag ccaaatgatg ctttgaann ccnggaacnn 60
aaaannnacc ggagagagtt agncggattt gatagaccca accagttct tagtctacaa 120
cacnacaacg gcgaaataag gacagggaat ccataacccc acccaagagc actcaacctc 180
cattttaca aggaccctac tcaaacadac catgtgctta taatggagga gtactggcgc 240
cattaattga tcatggtgtg accctgaaac atagaggcaa aacctgattt atgcaggctg 300
gctaaaattc aaggagggaa ttgcgttgaa aatcctgaca ttgggaacca cactatgcat 360
ggggcattgt gaagggttgtg ccatatttct caatgaatct taggatataa agtttgcct 420
ctttgaaaca ccagctcaat gtaataatat gataaataaa ggccttgttt tattcttct 480
gaag 484

<210> 14056
<211> 264
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14056

gaaaataaca ccagtgactg tattttgttc tcacgcttcg gttgaaaatg ttttggacaa 60
cataagtgtt aacttgagtt ctatattgga ctggctctgc taacacaact gagcaattac 120
agatcaagtg gcccaacaga gactgttgct acttgcacct ctcccaatat ttttctattg 180
gcatttcaca accagaaaaa gatgcatttg aatagtcatt ccaaataaaa tttagaattat 240
ngaagcaact gtgattgcat gaat 264

<210> 14057
<211> 247
<212> DNA
<213> Glycine max

<400> 14057

agggaatgcc ttggcgtgac tgcctgaact aggctggag ggaatttagac ccccttcgg 60
ccacgagcgt ccccggagact taaacgggta acaagagcgc agtctctgga agcagggaaacg 120
ttaccccaaga gtcctaactg aggaagggcga ccagtgaaac cgaaggccctt gcaagggtccc 180
ccgaaaacat gaaggaacgc agggcaagtt acagaaaacg atagggact gttaatctcg 240
cgccgcga 247

<210> 14058
<211> 333
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14058

taccactact ggaaaatcca aatccaaatt ttcattgagg caatagattt aaacatttgg 60
gaagccatag aagttggacc ttatgtaccc accatggtgg atggaaatac aacaatagag 120
aaacctagaa aagagtggtc tgaagaagac agaagattac tgcagtacaa tttataggct 180
acaaacatca ttacctctgc cctangaatg gatgaatatt ttatggtgc aaatngtaag 240
agtgctaaag atatgtggga cactctacaa gtacacatga aggacaactg atgtcaaaag 300
actangataa tactcaactc atgagtatga ata 333

<210> 14059
<211> 261
<212> DNA

<213> Glycine max
<400> 14059

aggttttaa cttgagcttg atcttaacgg accaaagctg agggaccctg gtttcggatt 60
actgggaaga gacagaagca ttaacaaggg tacccctata cacacttagt ataagaccgc 120
ctctccctcac tcctccgaat cttcaaaaag ccctccatag gcctgtccaa catttactcg 180
gcgtgccaca ctgctctgta tcactcacca cactgttaaa gcctcctcgg ttaactcttc 240
actgagactg ttaccaaggc t 261

<210> 14060
<211> 312
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 14060

ggaaaaatng gatatggcac tgtagcgaa gccttggcat acaagtgtcc ttttgtctt 60
gtacgttagag actatntcaa tggaaaacct ttttgagaa atatgcttga ggtattctat 120
tgactttctc catgttagtt ttttgtgtct tcaatatatt ttggatatga gtgcctttca 180
agtaattatc ttatTTTTT agtttatca aggtgggtt gaaatgatta gaaaggattt 240
actgacttgg cactggagac cttatcttga acgtgcgata agnttgaacc ctgctatgaa 300
gcaaggatttta at 312

<210> 14061
<211> 318
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 14061

agctngttgt aacctgacac angaaaagtc tctatata ttgattgcag nncaactgca 60
gagccagctt ttgaggttgc atattctatt gctttcctc cttcatgttt ttcaactata 120
cataccatga acattgataa canaacaat aagttaatcc taaaagctn taactgaagt 180
tagaacgtgc attggattaa taagcttac atttcatca gtaatagtgt ttccattat 240
tatgttactt atcatttttg ttctgttaat accttctaatt gttaaaaat actatTTTat 300

ttggngctct atttctct

318

<210> 14062
<211> 242
<212> DNA
<213> Glycine max

<400> 14062

tccacaccct ttcccctaaa ccttgactaa atgggggta gaaccttgga cccaaagcta 60
ttaatgtgta aaattgtctt tatacattac tataaaagct atcagacttt ttcttagtag 120
tcttgattt ggcctactac ccccaaacca cttaaaaaac actgtattt agattgtcaa 180
ctataagata cattgcatat ttagtgatgt aacttaccac tctccttagat gggactata 240
ca 242

<210> 14063
<211> 400
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14063

ggatgtaaac tgaagcatta gaccnttgat catgaancgg gcatcaaagg accgagattt 60
taaggaatta gagaagcaac aattattggg tgaaaccaaa acagggaaagg gcactaaaac 120
ccccaaacna ncgcaaccnc ccgcacatgg gaggccatac aacgcacgaa aaacccacag 180
ctgggctaaa gttgtaaata atcttaagt tccaccgaaa actggtataa agctaaatta 240
atttctatgg tcaaattctg gactggtctg gacccaaatg ggtgagttt gtccttaaga 300
tggctggaat tttggagctg aaataaaaata aaacttacaa atataaagaa agaaactcaa 360
aactaaggac tgtcacctat gatttgcaac aagcagctag 400

<210> 14064
<211> 383
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14064

catganggtg ggctcatggg ccactttggg atataacaaga cgctcgctt actcaaaggaa 60

aaagtttatt ggccccat at gaaaaat gtccttaagc attgcactag gtgtgttagct 120
tgtttacaag ccaagtctag ggtgacgcct catgggctat acacaccctt acccatcccc 180
tctgcacctt gggtagacat tagtatggac tttgtccttg ggcttcctag aacccaaaga 240
ggttagact ctatcttgc ggtggat aggttatca agatggcaca ctatccatcca 300
tgccacaagg tggatgatgc ttaccacatc tcaaaaacgct ttgttatgga agttgtgaga 360
ctcgatggtt cgccctggacc att 383

<210> 14065
<211> 357
<212> DNA
<213> Glycine max

<400> 14065

atctgaagaa atgaacaaag tcaatataca atatgagtgc aaacaacgct atcaagcata 60
agcttggtag tgaagtatac caaatttcgc aaaagctaga ccccaaaatc ctaaatattg 120
gtcagttgga acactaaaga acgaagggtt ttgaagaaac ataaatagaa caccaatctc 180
attcttaaaa taaaacaccc aacaataaat catcatttgc cttatctact ttctttggcc 240
caaggacaaa tctgctatca actagctgca acacagaata ccttgaacc ctaatctctc 300
tttcattaa gcttaataac taccaaggaa aaagaacacc atagatcatc tagttct 357

<210> 14066
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14066

tgaactgana ttanatctat ttcttcaca cttgtgtcaa tgtctctctg gtataggctg 60
nncaagtcaa gcatttgcacttcagat ttccctcaact tcttgggcc acaaggttga 120
tcaacacaat gatcagaatc agtttctgca cttctcttc tcccatcaac acttgtatct 180
cccttgaatg cttaacttc tgctggatga atggaaatca acggcaattc aactgaaaca 240
ccatcaaact tttgagggtt gtctgcctca tccatgatgt gttgttggcc agagcttca 300
gatgatgtca aagagctntc aagtgaacac atggttcctc tgtcttgggtt tctctttca 360
cagttcaaac ttaaccctcg tgtttctgtg agttctgaaa ttggagaact tggacatgca 420

ttattg

426

<210> 14067
<211> 497
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14067

agatgtnnnt tgannnctt gtanancgtt attcatcgaa cnccggcaen caacgnngac 60
cttagatggt gagagcaacc tttgcgctgt ccagcacgtt tcntccancn aggggcngca 120
gacaaaacaaa gagcccgctc cagacaacca cgcaaacaan nccacagaaa cnngcggcag 180
agaaaaacgac ggacacaacc cagacagcaa aacgngagag agaaggcaca ccacacaaac 240
gacangcgcc accagaccaa cagcaccacg gaaaaaacac ggccgccaag agaccccgg 300
acacaggaac cgccacgggc gccgcgacgc cgacacagcg cggccaaaca aganggaagc 360
cgagcgacaa caccaacgc acaaacagac gcaaagcaac aangggccgc gacacgacaa 420
agcgaaagcc cccccaaagcg aggggaaaac ggcacgaaca cagaacaacg aagaggcaca 480
aacacgaagg aaaggac 497

<210> 14068
<211> 368
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14068

agcncagcat gtatcgttt tcacnccac aaataccacc gnccccaagn gaagaaggga 60
gagatttctt ttgcncgaca ccgaggggga ggtgatgaga ccaacccccc ccaacggcaa 120
atgcgcgaag agcacgacca tccgaaacca aactgaacaa gctagcgagg ctgggctacc 180
ccttgtcctc gccagctcca aatcgagcct gcacgcctac cagaaggctt cacattccgg 240
accggcaagt acctacagag acacacccga cccggcaccca accgacaccta atcccacttg 300
cccagagagc tgcggtgatc cttctctcga acgcccgcgtg gcacttacgc cattggaaac 360
gtgactgg 368

<210> 14069
<211> 270
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14069

gcgttactga gcttgagctt gatcttaact gaancacngc aagagcgaca tttggcgcat 60
taacttggaaa cacggacggg aaancccaac caaccccaa gcacacaccg ccggaggaac 120
ccccgggcaa caggacgcaa cncccaaca accacggcaa aagaaaaacc acccaccaca 180
gccaaaccagc gcagcaaaga aacacaagaa aaagagcgac ccccaaccaa ccgcaaaccc 240
ggaaaccgag ccccacgggc aagaccaacc 270

<210> 14070
<211> 602
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14070

aggccnccng agcagggggt tgaatcgta ctgangcaat tgcanncn cnнатnncn 60
aagcnngca cnngaagacc aagacgtgac gcgggcagag gttttagttt tgcctttac 120
gnncnngaag gcgccccaa ggcagggctn tacatgnagc acgcaaaagg cgcatcatcc 180
nccttggcc caacctccaa cgtgagcgtc acggctctcacgatatcg ccagtataca 240
tcgtantctt ctcagacact cgaggtccgg cctccaaata cctacttagag gcttccgca 300
cacatcgaaa agttacttc gccatttct caaccagccn ccaccactac catccagact 360
naaaaatatc acgggtcaga tagacagaaa cacacttgc ttcttagcaac atccaaccc 420
gaatgctcga agtttatggt tatctgtaac gagtcccag agaccaatgt acttcactc 480
gcaattccgt gaacctgtt ctagggactc ccagatgtt actgcccgtg tctacccnt 540
gagacagaca attggggcgc tgggggttac taggagacat cctgtaatct ttattggatg 600
cn 602

<210> 14071
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14071

ggacggaact gagcttgaa ncgnngnaaa tgtgctctcg aacaangann gaggggaagg 60
ggtttaggag cgagggttta tgggggggaa agaggggact gacagngccc aaggaaacaa 120
ggaacaccag agcaaaaatg aaaggagcgg tgaggcatgc ggcaataagg ccaaaggata 180
ggatgaaaac gagaacattc cgataggaag cagcaaacc ccaactgcat actacacata 240
ccgcccgaac cgccgcggac caccaagaac tagcgctaa gcggaaccca ggagatgacg 300
ggcacgcgac gatacttccg ttcccgccag atgaaggcac agactggga attcgacccc 360
aaccaggaca acaaagagag acgggaaaga ggcacccac ggcccaaca acaaacggcc 420
aaagaaag 428

<210> 14072
<211> 240
<212> DNA
<213> Glycine max

<400> 14072

gatctgctat atctgaacca caaccgcggc caagaagaaa attattcttc cacccgggg 60
aggtagcag ctaggacag gagcgatgcc attgcaatac aggttaattcc ctcattacac 120
ctattatcta agagggatat ccagaatctt cccgcgaaga gcgaactcta tatcatcagg 180
gcgttcccta tgaaaatgct aacaccaaag tgcgcccgcc tttgaaggaa cccttttc 240

<210> 14073
<211> 259
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14073

aggggctgac cttgagcttg actagctgaa cagancactg cgggacttt tagggttcg 60
taagaaaaagc accaagaccc ggcacaagca acgagacgga cgagaagggg accacagaca 120
aaacaagcgg aagccaaaac gcagcaccac aacagcaccg ggacagaggg gaccacaaaa 180
caacgcagca naaaaccaga ccagcagaga aagacggaga cggcgaaacg gagcagcaca 240
cgaaggccaa gagcaagag 259

<210> 14074
<211> 644
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14074

ccgatgctgg ggacgtcagn ntnctnatag cantnnacgc gacacncnag aaacactcaa 60
gcctntangg attgagaaga atatgagagt ggaacatatt ctgtnttcta nttgncttt 120
cagcaatacg atnagagcaa atgagtagag cgccctatct gtatanntaa taatatcgac 180
ccaaccctct acctggtagt tacattgtct tcttgaattc tagaaagaag atgggtggat 240
aacaatagcc tcatgtataga agatatttat ccatttaata catcgacacaa aaataaaacat 300
gtatacatac tcacccgacaca ccttatctag tcagtttaggt ctgtgagaac catcattata 360
tttcagaact ctgaagagaa gtacaaacgt attgtacttt ctcacacata attctctctc 420
accaaggcatg atcgatat aagtgaagag acagtagaaat atgtgaacacaa caactagaag 480
acaaggacg tgtaagagat acagatggag tcgaatgctt atatcatcat acttgcaagt 540
gagcaagaac atatacttca gaaacattcg gaggctaaac agaatattta ttcatatgtga 600
agaatttagg cataacacaa agcattattt tccatcatat gccg 644

<210> 14075
<211> 199
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14075

aaaaaaaaaac natatgcatt tatcaatata tntaagtaat aaaaaaaagtt aatgaaaaaaaa 60
taataagaaa ttgtttatga attattaaat tgggattgtat tgaagtattt tttgaacgct 120
tacaaattat tatgattcct ttaatgtaa gatcatggtt agaaccaatg gtttgggtcg 180
ggctttagga agggttata 199

<210> 14076
<211> 438
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14076

tgtacgatta tggagtaccc atcacatgtg ttactatgtg gttgtcgggc gangngcac 60
aacaagttt ccacatccac aaagcgcgca taaacccatc atcccctgtt gcccacctcc 120
aactgagctc acgtactccc acatagccca tattcctcggt tctctcaaca cccgggtcccc 180
atcaatcctc ccaagcttcc ccaacatcaa agtaatacaa cattcaaaca gcacaaacta 240
ccacagccaa gaaaacaggg caaaggcaga aaactctgct caaaacacca accaaaatca 300
cagctttct cacttaaaga tcccagtaac aattccttcg atccaattcg ttaaccgttg 360
gatcgactcc aaaanttac tggaagtcta tagtacataa gcctacattt tgaccgttgg 420
gatctactag caaacatc 438

<210> 14077
<211> 252
<212> DNA
<213> Glycine max

<400> 14077

aacgtgatga ctgaactgac tggctggacc aagacggggg cacgctaattc agggtttag 60
ggggaaaccg tggtaaaacc ccccgaacac ttcatggctc cgatgccgg actccaaagg 120
cgaggaggcc agacatcccc cgagcacgac gtttagacggc caacctcaac taggagggtt 180
cgacacccct agcaattcgt caagaaagcc cgggcctggc cctgcagttac aatctggtag 240
cgctgccagg gg 252

<210> 14078
<211> 364
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14078

agacaacgtt agtttctgtt tgcttttagg ctgagcgtct tacagacagc aataagcatt 60
gtctataacgg atacgcactc gggttttcc gcccgtcagc gtgactcaca ttcagtatga 120
caaatatgt gagcgcgaa gatgacgcat atctccgcgt gccacacggc ttgtcggccg 180
cgattgacga aagacgtaca agacgacgtt agtctctgcg tgctatcagg ctttacgtct 240

cactgacacc taaaaagaat gtttatacgg ataaccactc gggtatttc gcccgtcaac 300
gtgactcana tgtcactatg acagatctt agagcgccga aaatgacgta catctctgcg 360
tgtc 364

<210> 14079
<211> 446
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14079

gggcggaaatg aacttgnagt caatatgcac tgaancacgg aacncataan gaccgggagt 60
gcgaaggggac ttgatggggc nacaaggttg nccgagcgcc caaaccaaac agggggacta 120
acgaaaacaan anatcagacc aaggagacca aaattanacg gcccttatga ccgggaccca 180
ccatagtcat ataatattaa agaattaact gaatggtcct ttaaattaag taaattaaaa 240
tatcaccata aaggcttgc ctgtcaacaa taggtgaact cagtgacccc cgtaaactcg 300
cccgcttttg tcgaaaaata atggttatcc gggacagcaa agccataaat ggtgcctctc 360
acaaagctca cctaattgaaa cgcgtataat ccccgccaaa atccacaaat aatgatcttc 420
ccggcctccg agctataggg acaaag 446

<210> 14080
<211> 488
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14080

gggcccccn cgggttaaac ttgcatgcag cacgtcaac tcagccacag cggacaangc 60
cttggagtag aagagctcct tttacgttcn taagngcaca ngaagtgaga tcacaagtag 120
atgcatgagc atgtcgtgcc ccatgtctag cttatgcgtc taacattgga tgccaagcta 180
tacatctacc ttaggtactc ctatataata tcctctcctt acgcttcgga catacatgag 240
cagcattgga atcatctctg gcatctcgac tatggcatag cattgttcaa tcgcctcacg 300
acattcatga cggtggacgc tcacaataga gccccgaggg gctatggaat acaacactcc 360
atggcatgag gcacatccta ttggaacgaa cagacttctc aactntggcc gcgttatatg 420

gatggaaagaa gatcggtcac tactagaaaa tagacgttca cgtcgntat agatcgatgg 480
tgacgtcg 488

<210> 14081
<211> 376
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14081

agatggnnnt taaaacccctt gaggccgtta tcatgagccc tgaacncaag ngactgagca 60
ggacccaatt gtggaccggc atttgaactg gaggcccanc ccaaacacgg aacagaggac 120
caggccccac ctatcaccta attggggccn cccagcacca ctttgggtga agttttgtac 180
cttttggaga cactctaagg ccccggtat tatgaagaac ataagacata cccaatccag 240
cttcttaaga aacacaaccc gtggaagtat caaatctgg aaggaaagcc ataatttccc 300
ctagccccctt gtttacccac aggtttcac agcccgcccc aaccacacaa agaagtggca 360
ggaaaaaaaaacc tactaa 376

<210> 14082
<211> 296
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14082

cttaaaaatat taatgatcct cacaacaaat ttcaagttt ctttggagtt ttcaatctcc 60
ttaatgaaat ttagttaaa aaccatcctt agttgttcca aaactgtaaa aaaaagacaa 120
aattcaccat gtgagaacta tttagaaaac aacaaagcta gcanaacaca cttggcgaaa 180
tatttgtcta tgtaggcaat atcctcttt tcagcacgcc atccacccaa ccgataacaac 240
aacgaaacat agtgtattaa ataacaacac acataataat ataacacttt gcaaat 296

<210> 14083
<211> 501
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 14083

aggatgtgaa nattttgaaa ccattttgng acgacangct gatactatcg tancncnnncg 60
ggaacnnnat aanngcactt gaaggcaggc agccnnggatt gnattaaggc gctccaaatc 120
cattaggcgc gagattaccn cggagggaga gctcaaagct aggattaagg gacataaagc 180
naagcttagt ttactttgggt ttaacattt tgccatgtcc tatgttattt gaacatggaa 240
tccattgggt gatagtgggt aataataaat caataatcat ggttaatgag gattaaaact 300
acttgaaagc ttaataaaaat gtttaggatt cactgggacc ttccatggtg ttccacagaa 360
ggccgtgcct accatggtgt tccaacagaa agcggtgcct tctggcggaa gcacacgggc 420
gagctggccg gaaccacctc ctcttcctc ataattaggg aaagggcggaa agaatcgtna 480
accctgaatt atgatcactt g 501

<210> 14084
<211> 195
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14084

ctctaattcct gaaaaaaatt gattctctt attatcctt acgggtggcgt natctcaatc 60
acggaataat ccctgcataa ttttgctac aaaaactgac aaattatcat caaaacatga 120
tttcataacta attgacatag atcatgatta aagaaattaa gcataatctac tactactttc 180
taattattcc gcacg 195

<210> 14085
<211> 482
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14085

nnaactgtan ancctgntgg ctagtacatc ggttanncat tgagacntgg acctcagagc 60
gacctgaggt ctgcaacggc ttgaagcacc agacgngtta ttttggggga ggnagangcc 120
agagggggtc aagaaaccgc ccccccgaa aacgagctnn ccaaagggag cctaccacga 180
aanggccccg aggaagctgg cctcaaagag gtccaggaat gacatggcag ccgaatgaac 240

tacttccgct ccggagtctg atagtcacccg ctataagagt gctgtacacc agcagcgcta 300
 cgaggccata aatggatggt cgattctccg ggagcgacac gtacagctca tggacgcaga 360
 gcttaactgat ttccaggagg aaatatggcg ccggcggtgg catcactgat tctcccacgc 420
 caactggatc ataaccaaac gtgttttat gcaatgctgg ccacacagat gtgtgcggac 480
 tg 482

<210> 14086
 <211> 383
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14086

ccggggatag tcatgctaga ntcnnaccct aacnccaaca gcgcacaggc tagtagcaa 60
 aggaattnct tttacacccc acaatcacaa ggggtcctaa aaaacacaaa gcggcaacgg 120
 acctcaagac aagaaacctt aacacaccct gtnaaaatac acaagaatac gcacccccc 180
 aaaggaattt gccaaaacc acccggttacc caaatcggtt caatgttaact tatccctatt 240
 actgaaattc aaggacata ccctaacaag tcataactca ttttccagat acactaacgc 300
 acgtggctgc aggaaacccg ggctccatga catgaaggtt gagcgaagtg aggctatgag 360
 cgctgcgaat gaggattggg gat 383

<210> 14087
 <211> 515
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 14087

aggggacgga gatattgata gcttcttgta agaccntnga nntcattaga aacccgngga 60
 aantcataca cgacccggga gacganagan cgactttaa gcaagcaacc aggattangg 120
 acaagagcaa cnnaaaaaaa angggaaaaa accagagggg gaccaaaacg gccaggaa 180
 ggcacaaggg gnaanggaag acanangcaa aaccaaaccn ngncacccn nnagaggcaa 240
 cgangcggcc cccaaacccggc agagnacac ccangccccca ccaaacccag aaaacagggaa 300
 acaaanncag ancgaagaga ggacaaggaa naggacggan acanagaaag gcnancaaaa 360

canngccaa aagagaaaaca caaccaaaac gaaagganac accgcagnn caggcagaag 420
cggacggag gggccaaana cacacacaca cacacggag gcaaaaggag accngncann 480
cgcaaaccaa gnncaaaaca cggggangag agaan 515

<210> 14088
<211> 363
<212> DNA
<213> Glycine max

<400> 14088

tgtatatgct gaaattgctg atggaaaact gtttagagatg aatggtagaa ctaacctatg 60
gttagaaagt gagaatgtga tgttatgagt ggaaaaagag tgacgccttg agagttggaa 120
ggttaactct gaattctgtg atcaatggag gttaaagtga gttaatacta gcttgaatg 180
tcatttatga cttggagaa agctaggact gtgctacaga gaaaaacaaa tgcataaagc 240
gaatcaagag ccatttctag ggcaaaattt agtgttgaag agtcaaattt tgattcggag 300
agattttatg tgtaaatcta cggtgagcaa gatttagatg atgttatgga cttgtgtgag 360
gtg 363

<210> 14089
<211> 412
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14089

tgcaggcagg cagcctnnat tatcctggtc cccacaatat nacacaacgt tggaccaccg 60
agaccaacct attggatgga aagaataatt aatcctactc tcctatggta ggggacaccc 120
aaatttaaat tattatatta gaaattcctg tttaagccat ccaaatacg tcattttgaa 180
tctcaccatt agtatacatgc atgtcaaaga taaggagaat ccggcatcgt aatgcata 240
cacacccaac attaaaaaga aaacatgctt nctaaagcca accaaggtaa naatgattca 300
ttaatcatgc acttttcaa aatatttagac catattacca tatataaaac atggcagaaa 360
catctcacac atgaacacat agccacacat tcagaaatga gtgtanggaa an 412

<210> 14090
<211> 430

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14090

tatcttacct atcttatctcc cagatgtctt tgcaattatt gattatataa aaaacatgaa 60
gttctaattc aagatgtttt ctttggcataat gcaatcactc tatgtcttagc 120
attgattnta ttaagatgtc cctaccttg agttctacta aaaattatcc tctctcaagc 180
gactaatccc taaaactgat gcatataaaa ccttcaatgt atttctacta aggattaccc 240
tttttcaagc gccaaacccc taaagatgat gcaaggatga agcatataat acatttgg 300
gcattnttagg cctcccaagc cctaactaaa ggggtttagc cttccattgt catgagagac 360
tnnttacactn tangggggtt atatggatgg aagaagatgg atggatagag gaagaaaaga 420
ggataatgga 430

<210> 14091
<211> 247
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14091

aaatccaaat acatccaaac catcaaagaa ccctgcaagn aacccatcca aaccaccctc 60
actttccttc accgccactg ccactgtggc ctccctttca agcatcgccg aatgcccctc 120
gaacagcgcc acgtgtccca acagcttgcc cttcctcgaa aacgtagtcc cgcatgagca 180
cttccacgtg gcctctcccc gacactgctn gacgtggctc ctcaagtccg acagcaccgc 240
gaaaactc 247

<210> 14092
<211> 279
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14092

tcaaaagaca aaaaccccca gcaccnagca nggagaaaac actanatgtc agggtgtcct 60
aagcttagatc ctttactgct gcacatngt ctcatgtgac atgtgataac tctacattaa 120

tcaagttcaa caaagtattc acgctggca ggtgcttagag atatgtcttc ttctttgtt 180
ggtgaaaata agggacagat atatgtcttc taaatccaac agattatcct gattcctgaa 240
gagcgtgggg aagtataatg attctttac acgtgaata 279

<210> 14093
<211> 268
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 14093

gagtaactaa cctgagcata gcctgacctg aacacngccg gacaaggctt tgagacagt 60
tacttgcgcc cagggcaga aacgccacaa caggacgaag gccaggcaaa gctctctata 120
agcctagtgt ttccagacca agctgcggtt acactacact gcctgcgaca aagcatgccc 180
cagatgcaag cccagccaag ggaaccgcct caatgacgga gaaatgcccc aatggccagg 240
ttaacgaaaa gcatataaga agaaacgc 268

<210> 14094
<211> 490
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 14094

cccgcatgtt ttgtatcggt tattgcancn cntaatacnc ancnnnnngc ccngcgagg 60
ggagacgggg ggggattttt tttggcttt taaccncgac angagganga gcgagggaga 120
cagaaacaaa caccaacaca nacacggcg ccaagaccgc gacgaaccag acgaagaaca 180
cgcgacanca tcgaacgtt angcaccaaa gcagcaaccc gcgacgaaga cggagacnag 240
aggaccggcc cgccgacagc aagaccgaca aaacgaggaa gacacacgag ncacacgaga 300
cggnnaacgg cacacaanag acagaaacga tcagaaagag agagccgcgg agaacaacga 360
caggcaaagc acagcgaaac ccgagagaac agatngcagc nagaacgaca ggagaaagac 420
aggaagccac aancgcagag aagggcgagg aaacagngac cgcaaaagac gacggggca 480
caaaggagcg 490

<210> 14095

<211> 507
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14095

atggagtgnn ntttgannnn cnttngnaga gtcggcatgan nnctttgatg cattgcanan 60
cnaagcgaa acacgaggc ccggganctt ttttagggacc ggaggcaggt tacncgcttg 120
tctcacgcnc caaagcatgc atcctgtgnc ccttaagacc ctatacgctt gggagccaag 180
ttatgccttgcgttctatac tccaaaccatt ggtgatagac gcctatgaca ccattgctac 240
tgtccgcctaa ctgtttatct cttatttcca ctctatttcca cgctctatgg atcctctgna 300
gtatattcgc attagcttca tcgaaacctc gcgcgatgaa aggcgcgata atttcctccg 360
atggcacacc cctcatatgg tcagctaact gtcttatgga caacacgata tttcgattaa 420
tacaaccat tcgcccata aatggacatg tgaaatcctt acatgagcat aacactctgc 480
tgctcttctt tcaccgagga accaact 507

<210> 14096
<211> 442
<212> DNA
<213> Glycine max

<400> 14096

gggtttccg ataagggctg cagtttaac tatcaatttc ttctaaaacc tgcattgttt 60
tggaaatgat atcagtagtt gaacttgcta ctatgactac aagtaagtgt gagttttgg 120
gtttatatacg attaaaaagt gagacttatg ggggtgggg aaactagatg ctatattgg 180
ttgttaacaa gtggttgaa ctgtgtggat aaaagctta gctagttatg gtaggataa 240
aaatatttta tcacaggaag ggatttgaag tgagaaattt actagcaaaa tctattcaag 300
tcacccctta tattcttcat tctcagcatt cctcgccagc taagggatag accctattt 360
aatatgaatt aatgtgacat gaatcatttc tgcaagtcag tgtcttatta taatgcacac 420
cttcaatatt tatccatgat tg 442

<210> 14097
<211> 528
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14097

aggggaccta gtcgnnattg annnncnntt nngagnnggc attttagtgc gtcngaantc 60
ttcgnanana canagcgaan ncgagctcg gacccgagga tccnctttt tcganctgca 120
cgcatgttgn cngagtgcac ganagnnacg aacncggaga gagcaganng anngnnnanc 180
gcacaaacag agaaaggaca caacagacca acngggacgg aanaagggag anggaggnag 240
acgaacacaa acacagacaa agccagcgaa ggcacgnanc ccgcaaaaaa ccaggacaaa 300
cangcancgc aaaaaagcag acaaccgcag agagacangc cancccacga acaggaaaag 360
aagaggaacc agccccaga cgacaggaaa gaaaaaangg angannagga gaagaagaaa 420
agcaaaaaaaaaa aggacnccnc nacacacana ncagagcaag ggcaaacacc cgaccacaca 480
gacaaacnng gacaacacaa gggacaanac gagaggaacg gggngagn 528

<210> 14098
<211> 384
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14098

gacacataaa actcaagctg tgaattgcct gtttgtgaa ttattatact catnatgttt 60
tangtnctt gtgatgatgt ttgtgatgtt tatatgctga aattgctgat agaaatctgt 120
tagagacaaa gggtagaact aacctacggt tagaaagtga gaatgtgatg ttatgagtgg 180
aaagagagtg agactttgag agttgacagg ctaagtctga attctgtggt aaatggaggt 240
taaagtgagt taataatagc ttgaaatgtc atttatgaca tgtgagaaaa gttaagctga 300
gctagagaga aaaacaaaatg accaaagtga accaagagcc atttctatgg cataattggg 360
tcatgaggag tcaaattatg attc 384

<210> 14099
<211> 120
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14099

aacaaacgca ggggaagcca gccngncgaa nacgacanca agaaaggc agagaaaggc 60

accaccnacc acngcngcng ccacnancnc aagaacaaaa gaagaacaga gcagaaagac 120

<210> 14100

<211> 406

<212> DNA

<213> Glycine max

<400> 14100

tagcaagaag ttgcttcaga agttggagac tcactttat agtttttga gctgtgttg 60

atgatgccga gaagaaacag atcacaaaca ccaatgtcaa acactggctc aatgatctca 120

aacatgtgt ctatgaagcc gatgacttac tcgaccatgt tttcacaaa gctgccaccc 180

aaaacaaggt aagagacttg ttttctcgct tttccgatag caagatcggt agtaagttgg 240

aagacatagt tgtcacactt gagtctcatt taaaactcaa ggagagtctt gatttgaag 300

agagtgcagt ggagaacgtg tcatggaaag ctccatcaac atctctggaa gatggatttc 360

atatatatgg tagggagaaa gataaggagg ccataatcaa gttgtt 406

<210> 14101

<211> 225

<212> DNA

<213> Glycine max

<400> 14101

gggtctgact gagcgtatct gactgacaag acgtgcgact gctgcagaaa tttcttatctt 60

ccaggtatat caaagccagg ggccggagaa atgtcgacca tggtaatgt gatgtggta 120

ctattataaa ctttcgact agtgagatct ggtatgaaga gattcattta aaggaggggt 180

acgtgtgctc tatgaaacca ctacttctta ctacggcctc agcgc 225

<210> 14102

<211> 435

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14102

ataaggactc anaagtctcc ttattccata tccttaactg ttatgtataa atnataanat 60

nnctagacca attagaagtt tcatggacgt gctcctattt ctccctaaca naacctagaa 120

aatcttcatg cattaatcat gctgcttcaa ataagaagag cctcatatgc tagttcttn 180
tggtatgaga atctaaccctc aagagaagag gcatgtgacc agacttcatc catccaagat 240
ggactatcat agcatcttgg aacataagtc tccaatcaag actaataaag ctnttgc 300
acctaacacc cattcttcca ttcctccaag ttatactatc accttggat cccatgtcta 360
tcanatntat gagacaaagg aaatcacgga aatcctcagt atcacgatgg ccctgagaat 420
ntgctcatct tatgc 435

<210> 14103
<211> 501
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14103

agcggcggtt tttgancccc tttgnaagtg caatgantca ttgtanaccn gggaaacctna 60
tgagcggact ggagcgtgcc agcctaagggt tgntggccaa nggnncctt cttattggag 120
aatatggaa taaccatggg tctcttata atggaaacca ccctggcaat ttggatcag 180
gtggtgaca ccgtgagga ccgtgaccct ggtcgcccc accaaatgga caccagtagg 240
ggcaggagg taaaatcctg ttgaggagcc gccaacccaa cgtatgacc ctggataat 300
tttggagag agtggggttt ggtaaatcaa ctccctccata gtgggttcca tagatcggt 360
gtggataaaa ggtgtaaat cacaggattt gaataatatg attgaatagg tttaattcca 420
tatatgtgaa tgacgtgtac tgagtactat actatatata tggatccact taagtatgt 480
tgtggntggg ggactgatgc n 501

<210> 14104
<211> 409
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14104

cgagtnatt ntagccttag tttcactgtt gntatttagca ttttcgatta agaacgagaa 60
atgccaaaga gaaaacgtcc gattgatttt ccgtttatt atactaaaaaa aaagatgtt 120
tttgattttt atattatattt tcatctttt ttgtttcca acgtggttac ggcacgaccg 180

aacggtcgaa attcattttt accgaagttt acggatcata caattcaaac gttcggtgga 240
gatttatttt attttaagt taagcgagaa atgacttaag taaaatggct taagcacgtc 300
aacaggggt atgaaaagta aatganacga gaacagaaaat acacaaaaca caatttggac 360
caccacgagt acatagaatg aatcgaanag catggttcga ggtacttac 409

<210> 14105
<211> 485
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 14105

agggcgggan tttgaanaca tttgagagga ccggtaatc attgagnacc tngnannncnc 60
natgagnccg accggcaggc aggcaaggcn caattggta gagctccagc ctcttgccaa 120
aatgttatgc cacacaaagg gacgaagcgg ctgctaattcc cacggacacg aggaggggag 180
ggcanaacca gaacaacaaa ctgtgttggc ggaaccgacc ccctaaaaag aacaattacg 240
gccaaggac ccatgccaag aaccagaagg aggcagcgaa tggccgagaa taaaagaacc 300
aacgtgctac actcaccct atcagccaag atagacggc tgagcaggcg cacctaaagc 360
cttaggagaa tagaccgaga tgacgggcc tacaagacgg catgacatga gccttcgcct 420
gatagatacc agctcgccca actataatgg ggcaagccaa ttccctgagaa ggatggaacg 480
gactc 485

<210> 14106
<211> 444
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 14106

ctctctggta atcgattacc agtttattgt ttgcattcc agnggcaagn ttggtttca 60
aaaagcttcc aactgaattt acaacgttcc aatcaatttc aaaatggtgt aatcgattac 120
aatatattgg taatcgatta ctatgtgtt tgaacgttga aattcaaatt caaatgtgaa 180
gagtcacatc cttcacaca aatgcttgcgtt gtaatcgatt acaatgattt ggtaatcgat 240
taccagtgtat aagcttgaa taaaaatcac aagatgtaac tcttccaatg gtntcatgt 300

tattctaaaa gttataactc ttaatggttt tcttgaccag acatgaagag tctatanaag 360
caagaccta acttgcattn tatagacatt gaatacattg atttcaatcc tttacaaccc 420
ttgagtcctt ttgaacatct tctt 444

<210> 14107
<211> 67
<212> DNA
<213> Glycine max
<400> 14107

tttaaaagtg ggcccaatg ggcttcctaa tttcagctt tcctatttgg atgtgagatc 60
atggaag 67

<210> 14108
<211> 312
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 14108

gctagagaga tncccgatct gagagggtac tgctccgtcg gcacatttct ttangtcaag 60
atacacaaa tttgagagat tcccaatctg aggaggaatc ttccccatga ttccagtatg 120
agaagaggtt gaggtgagtc aaggaagtca ttgtcccaag gaaagaagga attgacatac 180
cttctccaag gtattcattg gcgcctaagt ccaagtaatt caaatgctt atatcagcca 240
aacaaggact tatctctcca ccagagctcc atctcctata agttcccaa tcatttttga 300
aaatagaatc tg 312

<210> 14109
<211> 398
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 14109

actataacctt cgaccaaaca cggctgtgtt tctatctccg cccggattta aagtgggttg 60
cagcacccggc tccgctttcc taaccgtact ggaagcggnt gccgtggctt tgtcctctat 120
gggtttctgg aagtttaaca tgaccttcga gatggaagcc atttgcattt ttaaagccga 180

tagatcgccc ttcatctggc cctgcacgcc cttttcatta tccaaatttt ctggatcgag 240
tgttataagg gtgccttggt gtttccttag ttatgatgaa tttcctaaag aaataaaca 300
aggtagtat gccaccaaca aatgaatatg canatgaatg atccgtgcac ttggatccca 360
cccaagggtt ttnngaaccg aatgagtcca gaactttt 398

<210> 14110
<211> 446
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 14110

ngagtcattc aaacataagg cataactata tntaatgttc tttaaatcaa aacatgaaag 60
aattttgcaa cgtacggaca ttactaaagt attctattgt atatttattt ggaaatttct 120
aagtgtatgtat tttgcttcca tgaatgttat aaattcactt gttcaattat taatttagag 180
aataaataat tatttgaatt agagctaaa aaaaattaat tgaatcagat ataacattt 240
aatccattta tacactacca ggaaaaaaaaa aaggcacgaa gtgcctttc taatttttt 300
taaatataga aataatattt gataattattt acgatgttag tggaaaaatg taactttgga 360
caaaaatttttgcattgacaa agtcatttacatcctac catataacata gttacaaaaaa 420
aatgaacta aatcaactat tttttt 446

<210> 14111
<211> 508
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 14111

aggggacgtg caactgagtg tgcttagtac ggctngctga ntcttcngan acccnnggaa 60
ctacagacag gacccgaaga aggcaagann gaacttgang gcgaacgacc accatcntnt 120
ccanaggagn ccaaggaaac cagaggancc ccgcacaaaa caaaaagccc gcagaagaag 180
cgcaccccaag gccgaaacca cggaacaacc ccgaaccnnga cacccgcccag cgaaatgaaa 240
acgccccggc aaccaagacc gcagaactag cgaggacaca gccacacgca ccgctgaccc 300
aggaaccaca acgggaggaa gccaaaacca gaagaagcag cgacgganca acggccgcgg 360

nactgatgac ccaggaacaa aancacccag acgnccccc aacatgggaa caaattgctc 420
cgatccataa aacggcgccg ccagacccac agaacggaga cccagcgacg acactcaaac 480
gcagcccatg gtcgaggaca catgcccg 508

<210> 14112
<211> 496
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14112

cggacggtgt tatttatttt attgtacnnc gttcacaana nanncnncan gccgggagan 60
ggaggagnac ggagaggagc agaagagggt tatnatttt atttgnggcc ccgcaaaccg 120
ggacgggcga gaatcgacan gnncacacaa aaacccacc aagagaacag aggaagccaa 180
ngagtgactt aggagacgag agcgaaccga gaaaaaccag gggacgcgca ncctcatagg 240
acgaggagct agtattcccg aagagagcag atcattcata gttgattgtc tgtggagatc 300
tatatgatga tatacgtaaa cttagatgtca catctaaaa aaggatgctt ctatatatcc 360
tagtgtcgga aagtcaagtcc gttcgatatt atgattactt cagaccatct tggagtgaca 420
cattcatcaa atgaatcact gaatgctctc aggactatcc gctgaaatct aaagtcattg 480
cactctttaga atcgag 496

<210> 14113
<211> 510
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14113

agggggcgtg gncctgannc ccttgnacg tgcnaactgat ctactgatac cttggcaatt 60
cagctcgac ccgggatcct ctgagtcgac ttgttgcatt acagcnangt tcataatntct 120
ctacgaacga ncactcgac cagaccatcc attaactaaa gaacaattca cccctattcc 180
atcaagggtt gctacttacc ctaaatattt acatgtactt tccagggta tttgttattt 240
acatcacaca cgcccttcctg gcttaattta catacatgca tactcaaagc attacgggt 300
accaaaaaat gcacatgcgc tcataatggc atttctaata cctatacata tacaaacgtc 360

atgatcaatc ctgactacct acgcaataag gtgctacatt tcatgcctgt atttggcca 420
agtcttgct acctaagagc ccatgcaa at tcaagcaata tttcccttgc tgactanaat 480
tgttccaaat tagaaggat attttctgn 510

<210> 14114
<211> 457
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14114

ntcaacaaga gtcttcacaa ataaccatca tgaagttta aattatcatt atctacccat 60
catatctccc anaaccccat acccacgaaa atcaaaggag aaagaagtcc acccaaacct 120
gaaattttga agtcccactc gtagacacgc acttcacgac cccgaaaatg ccctccttgc 180
acgattttgg gcagaaaatga tggccaaagg ttgaagctt gtgtggagct tcaatggtgg 240
aggaagaaga agagaatggc aacgtgaggg agagagagag ctgtctgaaa taatgtgggg 300
ctgagtgaag agagagagag ttgcttttg attttaaaaaa aaaggcttt tcctcatttc 360
ttattatattt attataaaact atgccacatg tctccatttgc agtggagcac aaagggccca 420
ttntccctta tgactgtgac ccatactcg ccacaaa 457

<210> 14115
<211> 242
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14115

tgagaatgcc catccttgct ctcagaagaa gacaaaagaa agatagttcc cgatcaaggg 60
tcggaagata gcanaagaag aanactccca atcaaagatt gtgagaaagc acaaaaagat 120
agaaaattcc cgatcaaaga tcggaagaaa acaatagaaa tatgcagaaa ggtctttggg 180
ccagacaata tctgaacaat acagaattgt caccaccata taaggaaaga aaggaaacca 240
cg 242

<210> 14116
<211> 423

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14116

ntatacgaaa tgccactcta ctgcaagggt gaaatgtttg ttaacttagga aacacaagta 60
tatgcaccag gaaaacattt ttgttcaaag aaattgttgt gttgtgattc acaagatcct 120
tccacctaag cataaaagacc ctgngagtgt aactattcct tgttcaattt gagaagtcac 180
tgtggaaag gctcttattt atctggagc caatattaac ttaatgccac tctccatgtg 240
tagaaagttt ggaaagtcag agatcatgcc cactaggatg actttacaac ttgctgactg 300
ctccattacc agaccatata gagtaatttga agatgtgttgg tttgagtaa aacattttat 360
cttccccca gactttgtgg taatggatat ctgtgaagat aatggcatttcc ctgtaatattt 420
ggg 423

<210> 14117
<211> 286
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14117

nagtaactag ctcgatcatg atctgaactg aatcacggcc ggtccaagca tttgacacgg 60
ttgttctgga acctcaggct ttaagaatct cctccctca aaagattact ttcaaatgac 120
agagaatatt gagaaacaag aatatacaag ttcttgact taggacatgt acattaaaag 180
actgtatatg aagattgaac atcgaactgc aataggaact ttaataatat gcactgaaat 240
acttaacacc tttagaactc ctacgagttt atacaagtca aaatcc 286

<210> 14118
<211> 334
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14118

cacttagaaaa ctaagctaaa gataactaaa atgatgatag aagatcggtt ctttatattct 60
gattatatac nctatcaaattt acaaaactgtat tagttaggct aagaataccg atagaatattc 120

ttatcatata tttgataat atattctatc aaatacaaaac tgatttagtta ggctaacaat 180
actaatagaa tactgagact gtctcgact ggaccttagga ccaccaccac taattnttt 240
ttccagaatt cttgtgatat ccagacggct tccctgttag atattaatta gaaaaataat 300
tataacgagt tttatgagcc ttaaattgtg gaag 334

<210> 14119
<211> 239
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14119

agtttatagc tgancatgac tgacttgaac agcgatatgc cggttttac tgaggttat 60
tanagaagta tcttggatg taaaacacga ttacgttc ttatctaaa ttgatcgag 120
actaccctgg gtgggttggta ttatcttgac tgtaattgtg caattccaat atatataatag 180
taatgattag gcctggcaat ttgaactgtc taaatgagtt gtctagttga acgaatcat 239

<210> 14120
<211> 518
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14120

agcnccccc ccnnccgatg gatganactg agactgttct gatcgcanan ccgcgacact 60
atagactact caagcctgtg tagagntgac aatcagtaat agtagttcaa atgacatata 120
tacgcaaactn aagaaggata agcaactaaa gttctaagct gaatgtaca tcaattccac 180
atctcttggaa agataatgtg agcgagagag atgaatcgaa ggaattgtaa ctggaaaa 240
acaaaccata gagaattagt ctgaaagggt gctatntggta ttaccaaaga tatacttcata 300
gcaccctgtat tttgccaaa catatgataa tcgcctgcca caccattggta aaatagagaa 360
tcatttgcata tttggtaga tcaaagctaa aattcttggta aaaccacata atgaggtggc 420
ctggagaatc tgaatgcctc aaggcactcg cttcttgcata acacctgcga ttaaccaaaa 480
accaataaaaa taattttat ttaagaacaa ttcttaag 518

<210> 14121

<211> 518
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14121

cgggagctgt cgatttgaa accccttgn ngaggnncgg ttganncccc tgattgtcat 60
gtananacac ggcgaatnca gctcgaccc gggatcctct tagncacct gccgcatgtt 120
tncncaattc atggagnan cnangagcn agaatgcacg atcttgacaa gaagaccctc 180
tcttacgaca tgccttgtaa atcctctaag aggctctctc taattaaagt gtggatttt 240
tcttgacaa gagtcacact agggaaataa catgatgtgt atttattatc taaaccatta 300
taaccgtcat aatcgattac cagcacttag taatatgttc ttttgcttat atatccttct 360
ttatgcatta tcagaacgtt ctaattgatt acaataaaca ggtaatcaat tatttcaatc 420
acaaagaaca atcttctaat atcacttaga tataatcgat tgcaagtatt tggttgtcga 480
ttatcctact tgcaatatgt catatttgcc ttttagttg 518

<210> 14122
<211> 409
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14122

gacacataga aactcaagct tctcaggaag ctacctagtc tataaataga agcatgtgta 60
ataacttgtt taactttgat gaatgcgagt gtggtgagac acaactcana gttcaacttc 120
tctccctttt ttcttcttcc aatttcgtgc tccccctct ctctttctct ccctctttct 180
tttcctccat tgaaggcatcc ttccaaggct catttggtg gtgaagctcc ttcttccatg 240
gcttattccc tagtggatgg cgcctcttct cctttgtctt ccgctgtatc tccatggtgg 300
aaaatcacca ttaaaggacc tcattgaagc tcanagatcc agcctccata gaagctccac 360
aagcaagctt ccatcagtga tggcactcac attcttcaga ttctacaca 409

<210> 14123
<211> 404
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14123

tncttataga tgctnctcaa gaaagttct caagcaagct cctccactat agtttcctct 60
ttaagaatt attagagggg agtgtgtac taagctctag cttctcaagg aagcttctca 120
aggaagtttc tcaagcaagc tcctctattg cagttcctt tctaagcttc ttatccaagg 180
cactctcttc gtggtaagc tccttcttcc ttggcttatt cccttagtgga tggcgctcc 240
tctcaccttt tctcctttat cttctgctgc atctncatgg tggaaaataa ccattgaaga 300
aacttctcan agatccagcc tccataaaag ctctcaagc aagcttccat caagtggtaa 360
tcagagcaca agagcttcaa gtaggtactc cttaaacctc catt 404

<210> 14124
<211> 451
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14124

tgtctcagca gttgtgcaag accgagacca acatgttatac ctttttcagc aagtaccaag 60
aagaattaaa tctagccacg gcccacgagc acaaagtggc ggacgagtat gcccaagtgt 120
acgcgaaaaa ggaggctaga ggaagggtga ttgactcggt acatcaagag gcaacaatgt 180
ggatggaccg atttgctctt actttgaacg ggagtcaaaa acttccccga ttgctggcca 240
agaccaaagc aatggcggac acctactccg ccccccggagga gatccacggg ctctcaact 300
attgtcagca tatgatagac ttaatggcct atataattag gaaccgttag gaagtttgta 360
ttgtcactca gatcttgact agttataact tcttaataaa atgagtttat ctncgcgttt 420
tactcttaaa attagtacga atcanatcac t 451

<210> 14125
<211> 242
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14125

ttcttngat atnggcaaa gttaaaaata atgtttaaa aattatacta atcattaaac 60
taataaaaata caaagttatg atttaataat tacatagtaa gtaataaagt aataataatt 120

aaaaattcat aattaaatac tatntttta ttcatacagc ttatatttaa agaactttat 180
ctatcttaaa gtcattttaa acagaaattt aaaaagaaaa ggggggaaat aaagacagtg 240
ga 242

<210> 14126
<211> 321
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14126

agtttaantt aaccactga tattcaaaaa aaangaatta ggttaaaaac tanatccann 60
nnnnnnncgg ggtgtattaa tgggcccaa aaaaanaaat anaaaatatac tttattaaaa 120
ctttatatta aatatattta tttaaataaac acaaataata taatttcatac ccttaactta 180
atttataaaa aaaaatttat tacatataat ttaaaaatattt ttttacact 240
taacaattta tatataaaaa taaatactaa atttctatac attcacctat tatatatttt 300
cattataaat tcaatcaatt a 321

<210> 14127
<211> 227
<212> DNA
<213> Glycine max

<400> 14127

aggcagaaaa ctcagccaa tacacaaaca cataccacaa cttttcttac tcaaataccc 60
cagtgacatt cccttctttt caatttgatc accgttggat cgactcgaaa atgttactgg 120
aggttctga aacataagtc tacatttga ccgtttagat ctgcataaaaa tattcagaac 180
ccaatatgttca accccttta cacagccagt catgcctata cattttc 227

<210> 14128
<211> 480
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14128

aaatcctttt ctcccaacgc nttttcttat tgtannnntc cccnnnnnn nnntngaggt 60

aaactatata ggatccncct ttacccttct cnnnnngann aaataccggg anggcggana 120
tgtgctgggt ggctataaca accccttgc tacttaaata caccctggc cttatgg 180
gagatctta tccgaacgtt accaacctt acgaattcgt aacaatactg gtttttttc 240
gcgatgtAAC aaaacttac ggttcacgta ttcttcccccc ttttgggctt ccgggatgtt 300
actgacctt acaaattggcg cactaacact tcctttgac ttccaccatg ttagggaaat 360
tcacgggtgg tgcaacattg ctatggttt acttccggct tgtacanaac ttcacgattt 420
gcctacgatg ggtgccagta cttcgagtag tatacgatgg tcgatcccac aatgatgg 480

<210> 14129
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14129

ccggaaaccg accgatgaag aaacaaagaa agacgggacc aacaacccaaa aactataaaa 60
nnnaagggag ccgcaccgan actcnaannc anagnacgag ganncaaaga aaangaagaa 120
ggaaaaaaatt ttgaaattga gggaaaaang gaggggaggg ggaaaaaaag gaccagaaaag 180
gaggagggga aagaaaaggg ggaagaggag gagaangaaa aaaaagagga gaaangaaga 240
naaggaaaaa aggagaaaaa aaggagaaga aaagaagtng gggggagaaa aaaaaaagaa 300
aaanaagagg nggaggggag naaggaaaa gagagaagga agggaaagaa agagagaggg 360
ggaagaaaaa aggaaaggaa agagaaaaag gagaaaaag gac 403

<210> 14130
<211> 458
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14130

agannaannn ggagtggta tagcattctg acaacatana atnatgcgga acganangng 60
acgcggggcg cgggagggtt gccttcaattt agacagacca ccggagaagc gggggtgcaa 120
gtaacgaatc attcaaccaa taccactggt gccatgtctc ttttggagcc cagcccaacg 180
gaaagctccg cgaaaagtctg gaaggaccct cgccggaaagc attaaggaaa aagccttcct 240

ggataccag agggggagct gctaccaccc tacgataact taacggggcc cctggcgaaa 300
tacatgagat tacattggga cgaccatag tacgcaagaa tgtagcttcc ttgaaagcag 360
aggggacacc ttctctgccc aaaacaaaat taccactgc cgattccatg gaatcattgg 420
agccccctgtg aagcaggta aagtccatta aagcctaa 458

<210> 14131
<211> 450
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14131

cgcaccaaaa caaggaggag cagggAACGA aaAGCAAAATA ACAACCAACC ACAACCAAAA 60
aaAGGGGGGG TGCTTGACTC CAANCACACG CCCGGGACCN AAAGGAACGG GAGAGGAAGC 120
GGAGGATTAG GGGACCCCCA CAGGGACAGG GGCACGGCGA GGGCAGCGAC CCCACCCAAAC 180
ACACGAAGCA CCCCCAAGGG CCACCCACG GACCACGAGC CCACGACCCC TAACCGAAC 240
ACCACACCGG GACCCATCAA GCCCCCAAG CTTCAGAAC AAACCANCAA AGCAACCAACC 300
AAACATCATG AATATCAGAA CAAGAAACAG GGCAGGGCAG AAAATCTGCC CAAACACAAC 360
CAAACACAG CTTCGACTC AAAACCAACAA AACATACACG GGGCCAACCG GCAACGAGGA 420
ACACCCAAAA ATCACGGAAAG CCCAAGAAAG 450

<210> 14132
<211> 489
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14132

AAGAACGCGT AACTANGCAT CNGCATNAAN CANTAGAATA TNAATAGCTT ANACTGCCCT 60
CGTCCCTCNG CGAGAAATAC ATGATACGCT CTGCCTTTAT AANNGGNGGC CANGGAAGTG 120
ANGGGCAAGC CTTCCAAACN TCTTACCGAGA ATGCTGGGCC ACCTGGGGCC TCCTTCACAA 180
CCTTAAACAA CACAACCCCA AGAAGGCTCG AACCTAATAA TTACCTCCAC CACCAAAACC 240
TGTGCCGGGG TTTGGTGAGA CGGGTCCATA TAACCCCTGAG AATCCCTCC GGTGGAATAA 300
TACCGAGAAC CTCTTGGCT TCTCTTACCA ACACCTCCTT TTAACAATCC TTTCTCCG 360

aaaggcctt ggcggaaat ctatcaaa ccgtggggc tccgcatct ggccctcac 420
cacttcctt tccctgaca tcgcgggtg actgttagtc agaagccac acacgaccct 480
actgtcacc 489

<210> 14133
<211> 567
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14133

cacaacggac gaacccgaga agaagcgaga gccagacgaa caacgcataa aacaaccnta 60
tacaantaac tncacactca ccacaaaaaa aannaaaaga nnnaaggag cgtcgacccc 120
gtagtacacc nnaananaan ananannngg ggaannnnna aannnaaang aaggaagaga 180
gacaagattt gaaaaaggtg aaaaaaaaaa atrnagagagg ggatgggtgg aaaaaaaaaa 240
ggaacatgaa aaaagttaggg gaagtaggaa aaatnggggg aagtaaaggg ggggtgtga 300
aagggggaaa aaaaagaagg ataaaggtg atnngaanga gggcataagg aagaaaggaa 360
gaagatgtga gggatntaaa agggaaagaa aggaaggaat aaaaaaagaa aaagaaaata 420
aaggaggaag atagaggggg gagaaagaaa tagaagagag gaaaaaagaa agggaaagg 480
aaaaaaaaaa aaggggggaa tgaaaaatgg gaaagaaaag aagaagaaaa agggaggagg 540
aaagagaaaa gggagagaaa gaaagag 567

<210> 14134
<211> 271
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14134

gaactactga tgaactcaaa atcagactng acccgagctg cgagcggttg ttatTTaaa 60
ngaaggcgtg gaattacgtc aaatatcccg atgttgcgga agtttactta attctaaactc 120
ctataatcac tcttggagg ccatcaacta cgtaaattga attattaaag tgagtcatc 180
acattagttg cccgttgatg gaagttacct ttatggact cgtaattag ttttaggacc 240
cacgctggta aagaaaacga ttctcactgt g 271

<210> 14135
<211> 461
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14135

ggactgtaca tacgatcgat nnncgtgnan anacnanagc naatnacagc gcgataccct 60
agagnccacc tgagggaggg caagtcttgt tctaaatttt ttggncncac gcaaggcg 120
gatcgagagt ccccttatcc taagactaac acacgtattt atgcttgta tgcaaccgtt 180
acactcaacg tggtaactgtg cctatgcaga gattcaattt cctacgaaaa ttatagtagc 240
agcagatcac atatatcaga taacttcatc agatctccat ggacgaagta tgccttcaca 300
gctactacta ataagtatcc acagacgcac ttaaataata ttaacaccgc acttagagta 360
agctacctgg gataacagca tggtgccctc ccggtaacca tatcaaccca tatggttacc 420
ttgtacagga agggaaaaaa ttactacgag gagccacaat t 461

<210> 14136
<211> 459
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14136

naatacatag atgtnttacc ctgnnatnng atanancnncc cnnnnnnnnn nnnanagaga 60
aagagacaat tttgtttctt taccacaaaa nggggggggt accttctctg ccattgttga 120
cccttcattt ttcaccatgt atacttcctc acattgttctt tggtgtaaaa ttatgttaac 180
atgattctt agagttcca ccgattaaac ttgctataga agttagatct gatgttctat 240
tggtcatact tggtgtctt gtacttgaac catgaattgc gttgagtttgc cgctccttgc 300
cagttgccct gtaatttttgc tggctgaaac ctaaccatat attcttacaa attattaagt 360
tgaataaaacc tctaaatcta catgacttgt cacctatggt attttgtcta gaagtatgtc 420
tatcatgaac ttgaccatag attcctatgc tggcctaatt 459

<210> 14137
<211> 307

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14137

actttttgtt gaaaaaaagan acaaaaagatg gagataggtg catgaaaactg aagagaatag 60
gaaaagagtta acttgaagtg cgctcataag ttttcttcat cacagtgaac ttgtgaattc 120
atttacatTT atgtgaatct aaaagaatat tccagaatat ccaaaggcatc tttcatatac 180
cctttaatgc cacagcatgg aagtgtgctc tacacatggg aagaagaaga aattggcttg 240
ccccccaggaa aaggaggcaa aatcattggc tggggagtca gtctaatttat ctagatctcc 300
accctca 307

<210> 14138
<211> 284
<212> DNA
<213> Glycine max

<400> 14138

gaccatttgtt accaaggcac atgtcacatg gaatagttaa atatatgaaa atccgttaagc 60
tttagtatctc accttctatc cacccttcat aaaatctctc caactggata cctgatgatg 120
aagtgtgtta atgtacacat cttcccttat gtgtgtgggt ggggtgtgtgt gtatctttt 180
atctttggaa agagataaaa tactgcatgc aaacaaaatt cactaatctt tttctctctg 240
taggcttagta agacacttca aacaatgtat cttaactcatc aatt 284

<210> 14139
<211> 586
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14139

cacacaccga tcgcaaaaca acgacggccg agacgcaact caagacgaca tcaggaagac 60
aaccanactc actataacca acnaaaaaaaaa anaaaaaaaaa agannggaga ggaacgtagc 120
cgtagtcctt ccanaancn ccaananngg nacnaggaga nccannagag angaacagaa 180
cgcaagcaag cggattttat caagtncaac aaggggcga aacggcgact tgcaggccta 240
aggcactaga ggaagcagcg gccacacacc acgacaacca gagaagaccg aaaaaaacac 300

ccccacgccc acggccgacg aggacggcat tagcccaaca aagcggcgca aaaacgaacc 360
caaagaggac ggcacatgaccc gcccctgaac aagagaacca aggaccgaac caagaagaga 420
acgagccacg cacctcanaa acccgagggc gaagaggaag aacaaaccaa cgtagcacga 480
gcacaaatga aagacagagg gctcaaaaag aacagagcga agagacagag gaaaccaaaa 540
gcacacacag agcggccgcf ggaaaaaccc aggaccgacc gcgaag 586

<210> 14140
<211> 172
<212> DNA
<213> Glycine max

<400> 14140

tgtcacgagg agtgtggcg tcacattcat aacgaacgaa ctgatttgc gatacggact 60
cccttaggaac atcatttctg acaatggcac caatctgaat aacaaaatga tgcacgagat 120
gtgcggggat ttcatgatcc caacatctaa ctccacccccc tatctgccaa ag 172

<210> 14141
<211> 407
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14141

acatacgtac cccaggttaa aactacnntt aatnnnaantt tccangaagg gatacagtaa 60
agnncgaagag aaggaagcaa tcnatgctta ancccacaac aatcggagga ttgataaaat 120
gaaaaccatg attattgaca agttatacat acttcttcaa ggaaaaaaaaa tttggnataa 180
tagcgcacc accacaatgg atgagataag ngttgatgt aatttatgg cacttccct 240
tccttcgtta gattgaaaaa tgattaatta ataaacaaaa atttgagttg gggtttgtat 300
taagagagta gatttcaaa atagtcatac aacttttatt ggtgttaattt taaaatattt 360
gaacaagtgc aatgaatatt tttataacta ggtatacatt agaaaaag 407

<210> 14142
<211> 372
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14142

gaattncaac cgaccatgtg tgttgtaatg tcgtttaatc actgttaaag caaaatctaa 60
ccgattgttc acactataac ctcagttaaa taaaaaaaaaag gcaaataat aataaaataa 120
tcaatatatac ttgaagaaaa aataaaatca aaaatcaaaa atatcaatcg gacattttc 180
tttgaaagtt tccttgaatg aattgactaa taaccaaagt gaaactaagg ctaaaatcaa 240
ctcacaaacc aagcttgtc cgtaaaagtc acttggaaacc gtttaaggt ccaatgccat 300
aaaacggtcc tctatgctta tatcggttaa catggaccgt tcaaaacata taatcaacac 360
ataactttac cg 372

<210> 14143
<211> 336
<212> DNA
<213> Glycine max

<400> 14143

tgttgctag cttctatttgcgagttaccaa aggaacagtt tggtccctct tgataaggaa 60
gccaccgcaa tcaatcgatg ctacggaccc aatttcgaga tagcatggct tattgtgcct 120
caagccatcc gccaataaaaa cccaatagat aacatataag ccccttcagt ttccttgcgtt 180
cgactttcga ttacaattaa cgtaataat cctccctccc tgtcgtaata atctttgtgt 240
aaccaaaaaa atcctaaaat aattattatt ttaattttt aatgcaataa tacttatttt 300
ttaacttata ttccctataa tattaatttac caataa 336

<210> 14144
<211> 306
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14144

attnaataa acggggaaat tgcttttat tgcaatagct tttaaaagta actaaccaca 60
tgaaaataat ttaatcttgcgatgatagaa aaaaccgtat aggataagca ctttacattt 120
tatgctcaaa agtcaaagac ttcccttct aaagagtgc natcgagatc gtttaatga 180
tggaaactata tatggttcta catttcgagt ttcatattcc attatagtagc tacattgttt 240

attgagagaa gaaatatata gccatatata tatatatata tatgggtcaa tcttcaacct 300
taacat 306

<210> 14145
<211> 368
<212> DNA
<213> Glycine max

<400> 14145

accgtattat ttaactgtgt actctgagcc aattccaacc gacattactc tttacctcg 60
aggccgatg gagcccttaa ttaatttcag acgctcgaaa atggaaacgc cagctcttag 120
aaaaagtcaa cgacgataac tttaactcc gatgttcgaa tgagccctgt tatatatcga 180
gacgcccaca aagaaaacgg agccttagga aaatcaaaca caatacttt actcgatgtc 240
gatagtgc 300
ccc gaagatatca gagctcgtat tgagacgaag cttagaaaa ctacacaata 300
ctttactgg tgtcgatggg cccgaaatat cagagctcaa ttgaaacgag cttataaaagt 360
cacacatg 368

<210> 14146
<211> 464
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14146

nnttagaagg cgaaacgaca ggcttagcat ncaacnaagc tttattnaa acaccaangg 60
tttcgatata taccggaaat cttcgaact tcttattaaa aggtatcg 120
gc gtttgtatt
tcttaaaacc ttagattca attccagcct tctggcacac ctccaggaac catccggcca 180
ccgaatccaa aggtattggc ggttgattt gcttaaaacc tccggttcc aataccaacg 240
tctcgaattc taccggaccc aatccgacat tccaatcaa aggtattggc ggttgattt 300
gctcaaaacc tctatttca attaccaacc tctcgattat taccggacta attcgaccc 360
caataaaaat atggctttg atttctcaa actccgtttc aattcagcgt tcgattacac 420
ggaccatcg acctcagtc aagtattg 464
cg ttgaattctt cacg

<210> 14147
<211> 135

<212> DNA
<213> Glycine max

<400> 14147

tggaccaata tcacaatcat ttacatgggt ttccaaatct tctatttaag ccccttcaa 60
ccccctcttc tccttaatc caaacctaaa ccttaaaaaa accaactttt tctctcttc 120
tctctaactt ccaaa 135

<210> 14148
<211> 465
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14148

naatccggaa gtcagcctgc agtacatgca cattcagcac gaagctgcatt gcntacgg 60
gcgcacagga taaaattgtg acgtcctggg actctcccta tatggggcgc ggggttata 120
ccaggagcta ctcacactta tattggaatg acatTTTT ttacacaata ttgtaatgac 180
ctgtgaaaaa tttataatta ttatgagaga gaatagagcc tcctccactt tatgtgttat 240
atatccccaa ctcccacacg ggaataacac ataaaagaga gattggcctt ctccatacac 300
gtgaaaagaa aaatattgg ggaaaaaat tatctataa ttttaccgg ccaagtatta 360
cctttttaa aaaaaatcct cactcataa cctcaccata gagaatccat attatccctt 420
tccgaatccc caaatcctt acagaatgtg tgatacaagc acgtc 465

<210> 14149
<211> 431
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14149

ggagagtcgt gattaacggc aatncaacac gaccgggagc cctaaggcgc ccgcaggagg 60
ggagcgctgt ttatTTTACAC ttctcacggg aacgaaggag ggaacagggg aatccattac 120
ccagagcaaa aaagctctat ggaaaaacct attgcaaaat acttcaggcg ctacgaaagg 180
gtggaaaaac acccaatacc tccctggagg gggcttcct agatccggga accttggatc 240
tggacaacac gaggatcctc ggatctggat ctagaagccg gatctcgatc ttgtatgctgg 300

aactggaaact tgaacgtgaa ctagacctag atcctgaatt ggcgtgacca atcttgggc 360
atcgggagac ttatgtaca acggggaca tcaaacagct agaacaaccg acgatcacat 420
gatcaacgca g 431

<210> 14150
<211> 476
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14150

agaggtggc ttcnacgata acantcattt aatgcttngc tgttacgang tttanagaga 60
gaaaggtcca agttctaagt attcttggaaa aattaaccgg tgggagaatc agcgagacaa 120
aaacctcgag ccgaagcccg tcttggaaacc tgaaataat ttgggaaaggg atggtaaac 180
ctctgaggtg agggaaacctt ctctcccact gtgatttgc gcaacttcca tctggcttc 240
ccctgggtgg aaaaggaggt tcccgacta tggaaggcta attcctctgt ggaatcttcc 300
gggttaggtcc cgaggtaaaa tatattccaa tctatgaaag gatgggtgggt gtgtcttcta 360
tgctaactgc ttatcattcc agatggctt aaccttgaac acttagatgc atgcttggta 420
ggggcatcca cagtggaat ggactgattc taagtccttg aagtataagac taattg 476

<210> 14151
<211> 299
<212> DNA
<213> Glycine max

<400> 14151

aaaaagctac ttctcgatat caagaccgga tcttaataac cccgggtggaa cttttttaat 60
aataaccagc cctggatgtt aaccaaaatt ttttaattc aaggcctgga atttttatag 120
cctgctaaaa tttaacccca acgtttttt ccctttaaat actcagttt gacaggaact 180
gaacgatcgc aatcccaata cacctacctc acccacgtta ctgggctaac ctataacttgc 240
taaaaaatatactttccac aatgaagact cggagagatg aggacttcgg gctggtcgc 299

<210> 14152
<211> 485
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14152

aaaatttattt caagtaccga taactntgan attaagcang gacacagagt cttcattctc 60
tacacgaggt ggtggtgtgt tccttgctg aaccggaaag ggagagaatg gatacatgac 120
ctatgacccc gatttggtca ctatcgata gccataaaaag gtgccttga gattggtgat 180
ttggagtgat gttgtaaaaa accacaatgg gtttcatctt ttgtgcctga atattgtgcc 240
tgagggcgta tttgtgttg taccgtgtgg aacacagtt tactctaacc aaggaccaat 300
attgtgcata tatttactct tatctaataa atatttatat attataaata ttaattaatt 360
aaataatact ctccaattat tatttataaa tataaattaa tccgtttacc tttatataagg 420
tcatgcgccc gagaaaatgg attaaattat taccatattt ttttaatatc ataaattttat 480
attn 485

<210> 14153

<211> 478

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14153

gggggnaggg ggcggggatt ttngatntcg ttanttnaca acnnnnccga gagactctan 60
agcgaccctg aagagtgcga gcctgagatc attctcaaac tctaccnngg nnngggcgc 120
tgggttata gcgggggaca cacccctta cacacgtgga tatatacggtt atttcgcgcg 180
ctcaaaaact tgccstatcgt gctttgaatc cccgttaccg gccggaatac cccaatgggt 240
tttccgatta acttttgct gtctgttagaa gaaaagcctg ataacacccc gagactaccg 300
tcgtcttcgc gccttcgtca atccggcga caacccttg aacctggaga tttacgtatc 360
tttcgcgcctc acaagattt gataatgact ttgagcacgc tgcgggcgga atcacgagt 420
gtattcgtat aacttttgtt gttgaagaca aaagcctgat acacgagaga atacgtcg 478

<210> 14154

<211> 470

<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 14154

gtaacatcg a cggtagacga cacttnaaaa taacanngct ggcaaanncg attcggagaa 60
tgaagattat tattttgtt atccaataca ngtattggg tatcgaatac aagcccaata 120
agccctctgg tgatcgatta caagatgtt taatcgaata caagctggct gttcatgtgt 180
aaaccattac actaaatggg aatcgaatac cagagcctat cctaagctaa tttctaagaa 240
aatatacata tttaggctca aatacattct atatgaacta atttcactac taatacacca 300
aaatcaatca ttcaattacc atatatacag gaaatcatta attctatcat tagaaccaga 360
attccaaaca gatcaaacca aataatctac catcaaaagg gaaaaagtaa tcaatcatca 420
atcaccaatc attcctattt tctaattct tacatcaaaa cctattctt 470

<210> 14155
<211> 391
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14155

ggtatgtga gtggagggag aaggagagat gaagcacgaa aatttatgcc ctaaatgacg 60
tctgaaaatt gaaatggaaa tcttaatga atcaaggtt aaggtaaaa aaatccatcc 120
ccaaggcctt atttataacc ctaaatgtca cacaattgg gagggaaatt aaaattctat 180
tcaaattcat gtgaatctgt gaagctaatt ttgagccaaa atttcactaa ttatgattag 240
tgaactntag caatggttca acccaactat ccaagatcat gtncaagatt ctncactaag 300
tgtgcttang tgtcatgagg catgtanatc atgaaagaca tgtacaacgt gtgactatat 360
gatgtgacca tgggtgttagc angcaaatgc g 391

<210> 14156
<211> 492
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14156

ccccctctaa acgactgaca nnctantgnc gtgacntata gantactcaa gccttcttt 60
ttggtcctta atcatttggt ggccaacctt ttgttcttat tgtaagaatt cctaattcctt 120

tgggaaggga gctttccca agtgagaatc aatggcaaag ctctcaactcc tatagaaggt 180
gttaaggctg gtcaagccaa accagtgtgg gtatTTTT ttgtgtgagg gcctaaattt 240
tcatgtcaaa tatacaata gggTTGGT attggatgcc atTTTatat ttaataaaac 300
acattgaata tgtgggtgaa tatttaattt gggatttgcc tttcaaattt agtggAACAC 360
tttacttaa aaaaagtctt atattgttt aactctatca aagatcattt ccttctaacc 420
ttcacatgtt tcaattttcc tctccaacct ttcgaccat cttctttt tttcatcca 480
acagtagttg ga 492

<210> 14157
<211> 351
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14157
agcttggTTT gattcggtct gacaaggat cgaggTTtag taattcaggc tatAGCATAC 60
aacacaaaag catgattgat tagagaaata tatttatATG catcaacttg tttgttagaa 120
agacctacca tttctaccta ctgctgtcac tttacttac ttatgcattt atagTTTTA 180
gcataAAAGT tagTTAAAT tctgttgaa ttatcaatca tacatgttct ctcaacaatg 240
cttcattatc aatcataactg tagagaatcc gtaaAGCATG gaatacagtG gaatggaaAG 300
ataaggagct tangggaaGT agcaatggca tcgttggTgg ctatcacaAG T 351

<210> 14158
<211> 368
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14158
tacaaggcta gaaaagtGCT tgggaccAGT tgggtggTCC tgaatatacc cttgaaAGA 60
aatggcaAAA atggAAACTG gggtaACCgg tgaatggTgg attaacccta acacCTgggg 120
ttGAATGGAA ccaggaccaa tagggcttgg ggtgatgatc cttcctaAT ATTGCAATTc 180
ctactagctt atttcAGTTG tttccTTGA taatcatggT cacatTTG AAAAGCTGCA 240
tgtcttGTGA gaAGTTGTGA ttGAAGCATT ntatGCCATT catttcatgt gattGAATTA 300

tntggagcaa acaccttgtg aataaccact gtgattntgt cacttgagga caagtgagtt 360

gtttttct 368

<210> 14159

<211> 353

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14159

agcttcttat ttaagctggt aaataagttc tttagaagtgt ttaattaagt tagtttgtca 60

aatatatcca aaagttaaaa aggacaaacc ttaaatgcag ttccaagggt aatggggct 120

gctctccaat tggaatggaa attcactcca gaggtatatg ttgcccttaa ttgtgaccct 180

tattacacga aatatcaaga tgaaactccc atttcatttag agacaacacc aaagcatcta 240

agaaaatgctt taagtctgct atagctctta aatctttatt ttgtgggtgc atttaactgg 300

acaatgtttt agttgctgta atnntatgaa agtgctgagt ctcttggta tga 353

<210> 14160

<211> 371

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 14160

tcgattatca aaaccatgta atcgatacac aaagctttt atgaaaggat atgaatcttc 60

acaattgatt ttgaattca acgttcatat acactggtaa tcgattacca ataccttgc 120

atcgattaca ccattttgaa atcaattgga acgttacaaa ttcagttgaa agccttgan 180

atcaaacttt gccactggta attgattaca ggaaactggt aatcgattac cagagagtat 240

aaactctggt aacttagaaa aatttgagaa aaactctttt gaaaaacaaa actgtgctat 300

gtttgtttt ttgaaaaatc tttcaatac ttcccttgc aagtcttctt gatttcttct 360

cttgaatctt g 371

<210> 14161

<211> 328

<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 14161

agcttttta taaaggcctat caggnatgcg ccaagggcga ctgtccatg gctctatgga 60
ccctgcttca aacccgaaat agtgccttct ttaatagaaa caccttggtt tcatctcctt 120
ttgcaacaaa gccttcaagg tgctcaacat aaatctcttc ctttaggaag ccatttaaaa 180
aggctgactt gacatcaaac tgataaatct tacattggtt tgggttgaat agctagaaca 240
ttctgattga tctagccttc aactggagca aagtatcaaa taatctactc ccaaacttga 300
cataacccttt accactacat tgcttata 328

<210> 14162
<211> 639
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14162

ntagattaat tgcttgnacc aggttannc ngnnatnanc tntannanna atnaaancca 60
cnnngacgn tnacanaaga aacaacncac ggcgcctgcac acggagaagn gatctttat 120
gtgtttgtat aatgananna aacnntatca atgngcgatc cgcggtggag ttattgttat 180
aatttatctc ttacacgtca attcattaa aatatatann aaactacata tatactttat 240
tcaaaggata taagataatg gataccta atnngtgtgtt ctggaaatnt gatgggtgtt 300
tttataaaag tagcatcaga tatctgcgtat tgtcattctt atacaacttc angagcaaac 360
atgtntacta acatctaaga ctntttcaa gtgaccaacc ttaatattg tttatgttg 420
cgtcaccat tcatatatca tacaccactt cttacaatct cttcacaata tgtaaataac 480
agttcttcta catgttagatt catttacct taatgaaaac ataccattaa cctttgagaa 540
ataagngggc tcatggatat tnncaatatc ttaacgaaat tacttctata taattttat 600
aactgttaga gacctatgta agtaacgtta atacttgag 639

<210> 14163
<211> 391
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 14163

tgctttcttc ctttggcca tttcctgcga aagcaaacat tnggaaagtt agtttacca 60
agtggacac tttactctta anacanaaaa tgacatacaa ccctcccca ttaatacaaa 120
catcaatgt a natttagagc aagcctattg cgcatatntc cctacgaacg ttcacttgca 180
caagacatcc tattaactaa gaaaaatgca cccatataca atcaaggttag cttcattacc 240
tagattattt acatgtactt ccaagggtgt a ttgttattt acatcacaca cgccncttg 300
gctaaattta catacatgca tactcaaaac atttcgggtt accaaaaatt gcacatgcgc 360
tcatctnggt atttctaata cctatacata t 391

<210> 14164
<211> 499
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14164

aaaacgttcc cccnaacttc ngcanngcat anctgganac tatgantact cagccttctt 60
actgagggtcc gatccaggct aatattaaat caaacctcnc aaaataaacc atcgaaggct 120
cttgagaatt tcaatggcc aaaccttca caccgatgtc tgatatcgcc gccttatatg 180
tccattcgct tgaaaatgaa ccacggaagc ctttgagaaa atcaaatggt cataacttt 240
caaacggatg tctgaattcg ggcataatt tgtcgagacg cangaattga caacggaagc 300
tctcgagaga ttcaa atgggt cattaacttt cacacggatg tcagattcng gcacataata 360
tgtcgatg ctcggattg aaccacggaa gctctcgaga aattcaa atggcataactt 420
nttcaa acgg atgtccgatt aaggtgcatt acatatacag acgctcgaaa atgaacaacg 480
gaagctctcg agaaaattcn 499

<210> 14165
<211> 67
<212> DNA
<213> Glycine max

<400> 14165

agcttgctaa ccaa atgctc accactacta aaggagaagc cttcagggtt ttaataaaaa 60
ccctcctt 67

<210> 14166
<211> 404
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14166

atgcattggaa aatgttattttt tgaaatttgat atgcccgaat ttacaccatt tccttagttaa 60
ccatgcattttttt ngtaccatgt tcaatttattttt tgaaaaatgggg ttatgtatccc 120
aacatggtttgc gctcggtgtg cctaacaat gaaactaaga atgttatgtg aagtttcacg 180
cttccccctt ttttgtttttt gttttgtaga gaaaaaacac aggtgagca aacatganaaa 240
caaatggat gcaattntgc agatcaaaaaa gtttggtaaa cgcatatgca tgatgtgcc 300
atgactcatg caaaaatgtga ggccggaata tgataacgga caaatgcagg atatgtccat 360
tatgtatgtta tgaagagatg cttatgcgtat gcatgatatg aatg 404

<210> 14167
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14167

ggagaaaagct aggaantgct ngattcagct cggacccggg atnctctaat cgacctgagg 60
cgtgcaagcc tattttttttt tatgctcaac aaggaggcgc gggaggtccc caaagaaaaat 120
agaaaacctta gttaaaagg aacctttct tccttcataa ttttggcat gagactaaaa 180
ttatgactta attaggaaca cttatggatc gggcatatc ttccaaggag ataagtttt 240
ttctttctaa ccggaaatct tctggcaat tttcattatc ttaaaaaaaga ccaccatctc 300
agtggcaggt ggcacatcata cattggacca ggagaatctc tcttctcttg gtgagccaaac 360
cccttaatttccatc ttgtcccaag aattatgaac cctaccaaga cag 403

<210> 14168
<211> 483
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 14168

aaaactcna taaggctag cagcgctgca tanctactaa gctggatact tacaaaattt 60
ttggatgtg catctcgcc ctatttcaat catttttaac ctaacgccta tccctgggg 120
ccggttggc ctaaccaacc tggacccct aagccctatt aactaaacca atttttggaa 180
ttttgccttg gcgcctacgctg ctaactccaa ttgctaccgc aatttgtggc gggttggaaata 240
aggctaagca aggcttgctc gttaagccc ataatgccta gaattcaagc cgggctaagc 300
aacaacctt cgcaaagccc tggttaaaaa cggttggct ctgagctaa cgactgctaa 360
tctcgcttag ccaataatgc agaaaaaatn tctgtcatac tcgcaaacgc acccctgtgt 420
gctagccaat gaagtattct cataacacgc ctangggaca tgcttcctg acggccctaa 480.
gcg 483

<210> 14169
<211> 441
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14169

nnaataaaact ttcatnatct gcgactactc tagtacgcgg cgatgcataa gttaactgag 60
aggtgccaac cgatatttgt tcgccccaa accataacct tcctttaga gtacatatac 120
cctggtaatg tgagaagaac cggttctttt ggtggaccgg caattttccc caaaccggct 180
ttaagaagaa ccattattac caccctggcc aacatggga gtttgttggaa gttattttc 240
ctggtatgcc attatttgga ccaataaaaaa ttaaatatcc ttaatcaact tgccaacaaa 300
tatttgcattg tgtttattta gaccatnct atatcctata gtatttgata tttaatgaca 360
acaanaatta ggaccacata atattaatat taaaaacgtat gatcatttgc ttgactatgg 420
ccatgatact gtcattgact a 441

<210> 14170
<211> 479
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14170

aacttttgg aattcgnana gtaganctgt gananataaa gcccaaacac atggacctgt 60
tgtccggca ttatgcaacg gactcttatt agaataacag gcctgggaa tattggacgt 120
tagtattgcc gctataccgg cggaagaat ggtggtgggc ctaatgggtg ccatggaata 180
ataaacctggg gaaggtaaaa tgggggtga acctggaaaa atggatttg aaggaaaaat 240
ggaattgggg ggaaaaatgg gaatgggggg taggattgga accctactaa taatactccc 300
cccgAACCCA acctaattcct caaattaatc ctgatGCCCA gcgacaacct ccgtaaatac 360
ctcgccCATT atgcccACCN tcaccataat ggtcacaatt acgctgagaa atatcgacat 420
aagcacGCCG tacGCCCG Cctctcatca tCCCTCCTC agctccccat agccctccg 479

<210> 14171
<211> 240
<212> DNA
<213> Glycine max

<400> 14171

tatgtgtcta tacacatgtc cgcgaaaaat ttataaattt ggccatataa ggctcacggc 60
tataaaattt ggaccaataa tcattacctg gacgggggac cggttagaa gcattgttat 120
tctgaccgag attgatatga tcatggcgt gccactcctg ggacctgacc tgtttcttct 180
aataatataa tcattgcctt taaaaaatca tatagtgaag gatccctgta atagaaataa 240

<210> 14172
<211> 158
<212> DNA
<213> Glycine max

<400> 14172

taacttataa aagtttacct attatttctg aaaactttct tttcctttt accctaaattt 60
tttgaataca ccaatgtatt cattgggtga acctaataacc ctaaggtttta accctttca 120
tattattttc cgaaaaattt aaaaattttt caaaaatc 158

<210> 14173
<211> 308
<212> DNA
<213> Glycine max

<400> 14173

ttccatagag gagggAACCT acgtggccta tttttatac ctccttaata catgttggcc 60
attacaccta tatgtctact tgtctaaatt ttgggattat ccgagatgag ttgattgatc 120
tacaatttgt gaacctgctc attcaattgt gatcttgagt gtgactttct atttgtataa 180
catagagaga tggtaagta gagtgaactc gaagctctct aataatattt gcatgttgg 240
tataaggccta acagattact gaggtaattc ctaatgccct aatgtgagtt ttacatttga 300
ataaaatgg 308

<210> 14174
<211> 483
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14174

aaattttgcc tttgacgacc acactnanat ngagcangnc canagagatc cagganggat 60
aaagcgcccg aaggacttan tttcnntcc caatttgaca gcattcgctt taggacctct 120
aaacacaacc acccctccta ggccataaaag ggatggcatt tcttcggaa ccaacccttc 180
caccttaggg ccaacaagtt tcccatattc aagaagaaaa tacctcgccg cgctggcct 240
atattgtcaa ccccattggc caagtccaac caaaacttat ccctcaaatt tattcccatt 300
gctggcccta cagaagaagg cgtccaaaaa tattaggctt gggttgaggg gcagtggatt 360
ccctttgtat gcagatgcta tcgcccactt cctngatat ctttatatgc ttgaaaaggt 420
caagaagtga agtattggcc aaagaggacc cggccatgg ttccatatga tgccatcccc 480
ttt 483

<210> 14175
<211> 54
<212> DNA
<213> Glycine max
<400> 14175

atatacatat atatataatat atatgtatat atatataatat ctatatgaga aaga 54

<210> 14176
<211> 454
<212> DNA
<213> Glycine max

```
<223>      unsure at all n locations
<400>      14176

acacgaatga ggaagtgtta angggtaag ctgccggcta tatttnttt cacttagagg 60
gaccggaaa taagtcgcgg gggtaagaa aaccttggga cctcaagtgg ggtgctattg 120
gccaaaacca aaccttgcacca atcctgaacc aacctgggcc taatccgtca atgaaaacct 180
gtgatggacc ttaaccagcc aacctctggc agtccaccag ataaaggac caagaacacc 240
aaaccaggag gcttgtggtg gcttgccaac tatgaacctt gatgatgtgt gagatatggc 300
cctcttgtaa tcgattacca anggtggta atcgattaca aggctaaaa atgaagacag 360
gaggctaaga tggtctctgg taaatcgata ccacngngtg taatcgatta ccangcttga 420
naacgaggc aagagctatg aaggcttttq qaat 454
```

```
<210>      14177
<211>      369
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      14177

ccaatcttct tgtattccta cttggaggga tctggataacc gctttcttag gcaatatcag    60
tccaaatcttg atttgcttct ggaccgtctt cactggagaa tatgttcaaa aaagaggcga   120
aacctttaag aatatgcgca cgattgaagg atttggcgcc acaagttctt cttccatggt   180
ganaggagat gatcacatga tggggacact ctgctgtgtc tctatgagaa ctgttaagta   240
catgccgcca cttcggatc tgtgttgcc gggaaagattc aggttgattt aaagaagaaa   300
attgattcgt ttctcacaaa gcgattgcaa aaaattcgcc accgggcaaa aggtatgtaa   360
atcccttcn                                         369
```

```
<210>      14178
<211>      320
<212>      DNA
<213>      Glycine max

<223>      unsure at all n locations
<400>      14178

aaactatatt atctacacca aagggacact tctctatatt tgcataaagg gtgttttcc 60
```

taaagactga aagaacctgc ctgagatgtc ctaagtgtac atctangtgc ctactgtaca 120
ctaaaatatac atcaaaataa acaactacaa atctacccat gaaatccctt aagacatgtat 180
gcataaggct cataaagggtg cttgggtcat tagtgagccc aaaaggcattc actagccatt 240
catacaaacc aaacttggtc ttgaaagcga ttntccactc atcaccctnt ttagtcctga 300
tntgggtata accactttta 320

<210> 14179
<211> 327
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14179

atcttggtg acacacttta nagttcaact tctatcccta tcctccttca atttccactc 60
tctctcttcc tctctctctc tctctcattc tcttcctcca ttgaagcttc ctctctaagc 120
ttcttatcca aggactctc ttagtggtga agtttcctt tcatggctt ttctcttagtt 180
gatggtacct cctctcacct ctttccttt atttctgct tgaactccat ggctaaaaat 240
caccattgaa ggacctcatt gaagctcaaa gatccagcct gcatagaagc ttctcaagca 300
agcttccatc aagtggtaat caaagca 327

<210> 14180
<211> 450
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14180

tacaaatctg ttttaagtcc aagccataa ataatttaaa ttcttagataa gataagacaa 60
aatcttagatg aattaatatac tagatgaaat aaaatctaga taaaataata tctagatgag 120
ataaaatcta gatatgataa gataaaatct agatgaaata atatcttagat aagataagat 180
ntggtagcat aaaattgtct gctctttca agtccaagcc caattccgga ttcaaaccctt 240
attgcttatt aatttcctga nattaaatta aaaacacacaaa attaatccag taggccccaaa 300
tgataaaaact gcataattaa tttgacaatt aaggctaattc agtaattaaa atggtgacaa 360
aaaggggtaa gaaatatgag aaaatgtga cacatcagga cgacagctt taattaaatc 420

cacaataccca tgacttcaga atggtttattt

450

<210> 14181
<211> 371
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14181

agctttatTT ttgcttaata tatcacTTT tagTTgacta TTTTCTTat tagCTTCCTA 60
ctattagtgc aaaaccattt tgctatngtn tcatgtTTT tttgctcgTg ttgtggTTT 120
gaatttgaaaa attgaacgtt tggcTTaaac TTTTGAact atacggTATG ttgttgTTT 180
gatggcacta tatcacatga atgcattntg gtttgcAACc tggTgtgttT gcaaggggTT 240
gtgaAGCGAA tttaataata aataanatca aatgcTTTct ctctggTTct ttgtatattt 300
aattgaaaaag tatancatat ctatagagta tcttcaatta tacttaaaaa attaagtattt 360
atattaaaaa a 371

<210> 14182
<211> 409
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14182

actggatgca ttggTTaact gggtttctca ttggcTTga atcaaaaatt tgtaactgTC 60
gcaagggtnt tggggTTgt gctcctctgc tgaccaccat acagacCTTtT gcccTTcat 120
tgcagaacct ggagcaatng agcagcCTga agcttattgc tgcaatattt acaatagaac 180
ctccccacca cagcagcaaa atcaaccata acaaagcaat tatgacCTtC ccagcaatag 240
atacaaccct ggatggagga atcaccctaa cctcagatgg tccagccCTC agcaacaaca 300
acagcagcct gctcTTCTC tcaaaatgtt gtggcccaac agacatacat tcctcacca 360
tccacaacag cacaacccca gaacaaccaa cagttgaggc cctccacaa 409

<210> 14183
<211> 88
<212> DNA
<213> Glycine max

<400> 14183

tgcaaccttt tttaaaattc ttaaacctgg ttaaaaacata attataagtt ggattgccga 60
aggatatatta ttgaacccat cacttcc 88

<210> 14184
<211> 365
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14184

ttcgtggagc ttacagacca tgtctttga aatantctat caaccttgc tgcccgatg 60
gtgggtangg attagcnac caaatgagca cccctgtgga aatcggtcta caaacactaa 120
tatcatcgtg aaaccgtgg gattattgca gcccttatta ttgaaatcga ggacaaatct 180
ttccatatgt gggaaaggat tggaaagagg tgcagcaaac cggcagccct tctttgtcg 240
tattttgtct gttcgcacga aggacattgc acgatgtact ggcggacatc ttcttgcata 300
tgtggccagt caaaattctg tcgtanatga tggagagtct ttgataacccc tgtgtgattg 360
tcgag 365

<210> 14185
<211> 221
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14185

agtttgtttt atcggttatg ctagaccgag accaacaagt tagccatcat catcaagtac 60
caagaagaat taaatcttagc cacggccac gaggcacaag tggtgacaa atatccccaa 120
gtgtacgcgg aaaaggaggc tagagggaaag gtgattgact cgttacatca agaagcaacg 180
atgtggatgg accgatntgc tcttactttg aacgagagtc a 221

<210> 14186
<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14186

aatgcctgtt gggtagttag aattctcctt ctgtttangg tttttgtat gatgttgtg 60
atgttatata gctgaaattg ctgatggaaa tctgttagag acgaaggta gaactaaccc 120
aaggtagaa agtgagaatg tgatgttatg agtggaaaan aaagagttag actntgagag 180
ttggaaggct aagtctgaat tctgtggtaa atggaggta gagtgagtta atactagct 240
gaaatgtcat tttagaacatg tgagaaaggt taggctgagc tagagagaaa aacaaatgac 300
caaagtgaac aaagagccat tgcttagggca aatttgggtg ttgaagagtn caaattttagt 360
tcggtgagat tntaggtgta aatccagttc gaacaagtct anatggatgt tacggactgg 420
tgtg 424

<210> 14187
<211> 354
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14187

ggttttctag cttctatgac tttaacacct agctgtcagt tgtatgtggc tgtactgtct 60
taatacaggt tttaatacat ggcttacaca tatacatgta tatataccag gtagtaccaa 120
tgtgcttcac ctgaactgga tataatgaaa catcttccac aacaacacca atggacaaac 180
caagttcaac tacaacagac taattcagct tcacctgaag ttgatataat gagtaatggc 240
attagaagaa ctcacagcca aaccaagttc aagtacaaca aactaataca gcttttctc 300
aaccuaagta tgtcanacta cttgtggct ataaaagtn taggtattca tgtg 354

<210> 14188
<211> 350
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14188

tttaatgaa tccattgcca aggatttcac ttagggttgc ttatctctt tatgccaaac 60
aaacttgccc tttgatgcct gattatttt ataaataact ttatgttc aaaaaatgg 120
ttgcgaaagt gttatcttat ggtctcttg ttctcttac attaccctt gttgaatcta 180
aagtttagtta tgatgcgtgt gatgtttcc aataaaatct tttaaaactt aactctaaag 240

gtggagaagc attttagtga ttttcttatt tccaatagga aagttacta ctttcttgtt 300
ggtagaaaat ccattctgaa agatctaatac tcttacatag atntctttag 350

<210> 14189
<211> 352
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14189

agctncttgc caaatggaat taccatgaat taattccttg gatagcccct tggaggcaat 60
tttcctttc cttggtttgg aacctaataa caggcctaag gggaaaaaca tgattcaacc 120
ttacctttag ggaatttggaa agcttggaaan tggtttggaa taagctggaa taaggtgggg 180
gggatggttc atgaagattt atttggcat gctaatgttt atttgccatg ctgatgatat 240
atatatgcta agtcttctta atcttcaatt cgactgtcat aaaaaaaaaatg aaaatgaaaa 300
aaatcaaaaa aaaaatcaag tgcggaatct gcagttcgac tatcaaaaaaa aa 352

<210> 14190
<211> 443
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14190

ntgttggtgt ttggacttcá gatntagtgca atgtttggat gtgtnnattt atggaatgac 60
cacttatttt gcataagctc tctcacaaag ctgaaaaat agtgattatt ttctcaagat 120
aaactgaacc aaacatgcgc tacaaagaga aaaaattgct aaggaaagat aagtttcctt 180
agggcttggtt tggataaaaat tttcaaaaaa caattatagg agaagaaaat aagaaaaaaa 240
tatgtgaaaaa agcttctcca taagccaaa ttaactttag cataagctaa tttgtagaaa 300
ctctcatatt agcttctcca aaacttgatt nttagcttac gtataagtta attttagttt 360
atggagaagc tnttccttg gtttcttctc gtgttaatgc ttttagagaa gtttatccaa 420
acaaaacccca agtcctaaac aat 443

<210> 14191
<211> 259

<212> DNA
<213> Glycine max

<400> 14191

acgtaataaa ggctaaaatg aattccaacc aatcatttgc gttgtaatgt catttaatca 60
atgttaaaac aaaatctaac cgatcggtca cgctataacc tcggtaaac aaaaaaaggt 120
aaaataataa taaaataatc aaaaaaaatca atcggacgtt tttcttgaa agtttccttg 180
aattaattga ctaataaccc aagtgaaacc aaggctaaaa tcaactcaca aatcaagctt 240
gtccccgcaaa aatcactca 259

<210> 14192
<211> 285
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14192

ggattacaaa aaattaaaaa aagaggtctt tccaaaaagg aaacccgagg aagtccccac 60
caccgttatt ttaaggaaaa accagggaaa acaaaaaggg ataaggatat tctatagtt 120
agaaaaggat tcggagccgt tattcatgg gaaggtatta cactcacacg cccgcatgaa 180
acgaaatctt aatcgatgtg taaaataagt actttgata ttatccctt gaaaataata 240
tggcttat nttgttaatt agaaagaagt gatttatccc agaaa 285

<210> 14193
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14193

gcttgcacac ctatatttagt tattgtgagc gtctgatgt aaaaatacaag ttggttcata 60
aaaatatgcg aaaaaccacc tatattttagt ttatatccat gtgactgcgc ggatataatag 120
gatctgagtt ctggaggaaa gaattacctg ttaatggata cctgaatttc atagcctgaa 180
tattaccttc tggctggctt aaaataatgg tgaaaaaaca ttttaagcag aacaaaataat 240
tcaaaagaat taagtaggtt taaagcaatg gcaatgcaat ttttaacata ttatcagctg 300
atgaacatct atgattcatt cactaaacca aaaattaaan tgcataatctt caacagctgg 360

catgccttc	gtggatcaag	cttcttaca	caattaatct	gtagtacata	tgtttattcg	420
gtctcccn						429
<210>	14194					
<211>	452					
<212>	DNA					
<213>	Glycine max					
<223>	unsure at all n locations					
<400>	14194					
nnnnngggga	cttacgatgc	acgcacaact	ttgaatacta	agcttgcaac	aagatgtAAC	60
gttcattAAC	gtaatcaaAC	tttttatttt	ttggggacca	aaatctatAG	tggggaaaaAA	120
caatgaatgg	gcccttatctc	ccctatttaa	ataatgctct	tggaatggat	gatgtgcatt	180
ggcccccaca	catcatatat	gggatttccc	tgtatgtggc	taccccccTT	gcatcagtgg	240
aaagatgctg	tctggaaaaAA	gatcatgagC	ttgtgaacat	atctcttcta	ttatacactT	300
gaatttaaaa	tgcgcagttA	ccagtGCCAA	aaataccCNG	tGATCTTTc	gccgtgttt	360
tttgggtaaa	cactttggc	ttcctctatC	ttaataaaACC	accagCTTgc	cttatatgat	420
ctagtctcgg	agtttccaac	ccataacaat	gc			452
<210>	14195					
<211>	466					
<212>	DNA					
<213>	Glycine max					
<223>	unsure at all n locations					
<400>	14195					
ggagttactt	gatantcgGC	aattccactc	gggacccGGG	atcctcttna	gacGCCCGGc	60
aggctggcac	accCGGTTT	ccttactgtt	ttccaaggGT	ttaaattggc	ccctcgGGTG	120
ggcttatATG	ggccttgat	taccaaaaaAA	tggtgataa	naatGCCAA	tgtggccaca	180
tttcggctac	attaaAGCCA	ccgcacCTC	aggAAACCT	tGATCTTGCc	ggccaatcac	240
aggTgcagac	catttttta	aaccttgcta	cctatctatt	tagtatcaat	gacttaAGAG	300
taagacttcc	gtaaaaatAT	tacanacgaa	ttattaACCC	cataaaccAG	ggacaAGTNG	360
aagagtagAG	ggactcccta	aaaanatATT	agagtagAGG	gaggaaAGTC	tttntgagAG	420
agaaaatAGC	ttanggagaa	agaaattcac	tttcacata	ttttgn		466

<210> 14196
<211> 258
<212> DNA
<213> Glycine max

<400> 14196

tgaatccttg aattccaacc atggtaatcc tttgggatga gaatctctat aatatggaat 60
ttttgggtgg gtattatttc acctttcaa aaataatgag ttaattaaga atgtgcctat 120
gatgtgaaat aaccttacac cggccctaaa tttaaaatat tgtctattaa ggtaaccaat 180
ttattataaa taataaaattt tgaatggacc atgtgaaatg gttttattgg atccatgcct 240
aatcctttt ctccttaa 258

<210> 14197
<211> 506
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14197

aaanaacaag gctaaggcant cgtgcgaatt ctatctcggn accccgcgga ttcctctata 60
agtcgaacct gcgcggcggtt gggcacgcct ataattatat tatnntaagn nngctcataa 120
aaaatccctc ttggagagga gactgcgcta tatcgagata cacctcatat actctatata 180
tattnataaa aaaatatttc cacatattgg attgggccta gatttaaata ttgctatttg 240
gattgggccccc tttggagggg cgcttatccc agaagaatta tattggcca ttttcttaa 300
taatggttta aaccttccaa tattatatta agaagaaatt attgtgcct caaccgcatt 360
aaaaagattt ttaccttca aagggtgccc tggcctttt tctttggatt gaaaacagat 420
attatactat gcaaaggata tncaanatng tattagctta tttaaaaag aaaaaaaaaatg 480
gcattccgtt cgcaaagtct aacttn 506

<210> 14198
<211> 654
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14198

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aatggcgac acaccntaat ctgcgcaat ccttctgtgt tgcataac ggaaagaaaag 120
agacaccgct ccatataata tctctaaaaa atatgacatc tctttacact aaaatatata 180
tttgtgaaag ggggacaccc tctacacgac aaatattgtc tatagagatg acactgtcgc 240
actatagat atataagttc actttcaca acacaatata aagagaacga tatntatngt 300
gttgcgacat cttgagagaa tatcntataa gcgactgggg cntctcgcc cccacatctt 360
gagtagat cctctgcgat acacagaaat tatatatatg ctgcgtatg aaaaacctgt 420
gggtgtgggt tntctacacc acactatgtc tcccaaaca tctttgtgcc gcgtgcgc 480
ggcgccgccttatacacc ccctatgaat atggagat aacccgaaga gagagataga 540
gtacctctc tcncaaagac acttgatata tactgagaaa aacactataa tatatagtt 600
ttccctttttt atgaaattta tacactata accgacatat atatagggtt gact 654

<210> 14199
<211> 417
<212> DNA
<213> Glycine max

<400> 14199

cagcctgcat tatttctggg cctctttca atatacatac cccacacacc cccatata 60
ctctgcgccc agagcgcgt ctatacatat atatctctcg ctctccctt tctttgggcc 120
atggtcgctt cattcattat ctcaaaggcg tgcaagtgc catccaaaaa tacccagac 180
caaatcgccc aagggtgcca agattccgaa attccgtac cgaagggtgc agtgatagaa 240
acaaaaaaaaaa gagagtgcga gccaagtagg gtttGattct tatatttta aatatgtgag 300
cccagatcggtt ttaaaaaaac cgatgttac acatgtatgtt aagttaacat cgttgtctgg 360
taaaaccgat gttacttac ataattaaca tcagttctg aaaatcgatg taacgaa 417

<210> 14200
<211> 374
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14200

tttttttct tatgatggtt ccattagaaa aaacctaaga atggcttggaa accgggatt 60
aaaagaaagg gacttaaccc ttaccccgat ctggccgtag aaccaacact atcgaattct 120
taacccttaa acaaaggaaa agttctcaca atagagaaac tctcaacttt cattagtctt 180
caaactctgt tnttggagag tacaagagtt ccctatttat aggctaattct tgaattgcta 240
gaataattct gactaacatg catttactgc atgcattgan taatgcattgc ccactaccta 300
ngaaaaatgag aataaacatg aaaattaatt cccgcttagcc actaaatgac ttagagaact 360
tcttaggaagc attt 374

<210> 14201
<211> 159
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14201

agtttttttg gaagctacct agnctataaa tagaagcttg tgtaacactg gttggacctt 60
tgatgattga aagtctaatg aaatacactt caaagtgccca cttcttcct tcttaattc 120
cttcaattcc tggctccgc cttctcttt tctttcct 159

<210> 14202
<211> 446
<212> DNA
<213> Glycine max

<400> 14202

ggaatcgac ctcagtgtca aaagttatga ccatctgata tttctcgaga gcttcgtgg 60
ttcagtggcg agcatctcgat catattatgt gcccgaatct gacttcgtg tgaaaagtta 120
tgaccatttg aatttctcgat gagctccga tgtttaattt cgagcatctc aatatattgt 180
aaggctgaat cggagctcag tgtgaaaagt tatgaccatt tgtatttgc gaatgcttcc 240
ttggttcaat tccgagcatc tcgacatatt atgtccccga atctgacatt cgtgtgaaaa 300
gttatgacca ttcgaaatttc tcgagagctt ccgttgtca gttcgagcc tctcgaaata 360
ttatgcggcc gaatcgacca tccgtgtgaa aagttatgac catctgaatt tctcgagac 420
ttacgatggtaaattcttag cgactc 446

<210> 14203
<211> 383
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14203

agctttcttg ggcatttcc tgtgaaggca aacatttggaa aagtttagttt taccaagaaa 60
tgtactctt aaaacacaaaa tggcatacaa cctcctttaa taaacacaaaa catcaatgtt 120
aatttagaat anactcatgc acataactccc ttacgaacgt tcacttgcac aagatattct 180
cctaactaag aaaaatgcac ccacgcacaa tcaaggcacc ttcgtcacct agattatnta 240
tatgtacttc cgaggtgtat ntgttaccta catcacatgt acttcctttg gctaaattac 300
acacacgcac actcaaagca ttntggctac caaaaatcgc acacgtgcac attcttgtat 360
ttctaatact atgcataaac aac 383

<210> 14204
<211> 426
<212> DNA
<213> Glycine max

<400> 14204

tggattaaac aacggaagct ctcgagaaat tcattttgtt ttaactttta actcgagg 60
ccgattcagg cgcgtaatat atcgagacgc tcgaaattga acaatggaag ctattgagca 120
attcaaatgg tcataacttt tcacttggag gtctgtttca tgcacataat atatcgagac 180
tctcgaaatt gaacaacgga agctctcgag aaattcaaatt ggtcataact tttcactcgg 240
aggtcagatt caggcgacata atatatcgag atgctcgaaa ttgaacaacg gaagctctca 300
agagaatcaa atggcataaa ctttcacac ggaggtcaga tttatgcgc taatataatcg 360
agacgctcga tattcaacat tggaagatct cgtgaaattc aaatggtcat accttttaac 420
acggag 426

<210> 14205
<211> 174
<212> DNA
<213> Glycine max

<400> 14205

agcttaatat acttagaatt caagtatca tgtatcccga atattagggg gaaaaaccgg 60
tgccccctttt atctatattc cattgggttgg tgccctgcctg gatcctgaat tccaggattg 120
gattggcctc atccaaaagg gggaaatgg tgaagccatt ggcttgatg gttt 174

<210> 14206
<211> 443
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14206

tatgcgcata tttccttacg aacattcaact cgctctttat attcttctaa ctaagaaaaa 60
tgcacccatg cacaatcaag gcactttcg tacctacatt atttgtatgt acttccaagg 120
tgtactacct acaccacatg catttccttg gctaaattta catacattgc atgctcaaag 180
cctcttggct accaaaaagt gcacacatgc aaaccttatg atgaatcttgc gctatctaca 240
caataaggtg ctacatttca tgctntattc aagtgtttt actacctaaa gccgcatgca 300
aattcaagta tattttcttt tgccgactaa natngtattc aaattaaaag gtgtttntgt 360
aaggtatttt ctttacataa catgcaacat atttatata ttttggaga cattntgact 420
accanaaaatt atatgtacat aca 443

<210> 14207
<211> 404
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14207

tctttgtgtc ctcannacc aaagtggttc cccaagaagt atcgaggcac tctgttata 60
catataacca catccagtgg taatccgata cacctaaaaa cacattttgg aaaaaccgcg 120
ctttttaaaa agggtttgag atttgaatt ttggatcctg gtatcgaata ccagaagggtt 180
gtgattggat acccaccacc ggaccttata aaacaccttg gaaaggcctg aaccttccaa 240
atattaccgg attatccaat accagaaacc tggatcgtatcgtatccatggaa gatttcagan 300
aaactttttg aaagacacat ctttcaacca tttgaaaggc acgaaggact attatgtgtt 360
gtcagacttg aaagcagaga agatatctag agacttaatg caan 404

<210> 14208
<211> 384
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14208

tgagaagcac aaccaaaaac tagtatgctt gtgcttaata tcttaattag nctttggat 60
caactattcaa tgtattcaat ctttcttcta agaaacaact tattcacttc aattttctca 120
gttggtaaac attaaccat agaaataaa atagttctta cacttcatgc tatagcaaac 180
atttataaga atttgagttg atttactgaa taaaaaaagc taaattgtca aaatggtaa 240
ttatttgct cttttctt cgtttgacct cgattacatt gtttatccct cacaatttt 300
acttttagaaa gcagggattc gacatcagtg aacgcaaacg caatatgtta aaggaacaat 360
ttgggttggg ttggcgggtt gagt 384

<210> 14209
<211> 200
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14209

atcttattgg tatggtcata ggtctnggct gggatgggaa gaagaaaacc attgcaacta 60
gtgatgaatg gtggaaagcc aaaattcagg tttgtattat tcaacgaaaa tagagtttt 120
atgcaggcca atcttggtt ntatattat ttatgtgggta tactngactt tgcgccaaa 180
attgcagttg cagaatgttt 200

<210> 14210
<211> 439
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14210

tgcttactta tgtggagaat gatgagagct tgaagtcatg ggtgacaagg attcaacaac 60
tcagtatcaa tagaagaaaa cttcatctc aaatgcattg tgccaaactgc ccagcagcat 120
ttctgcctct caactttcct cattgttagat catccccgaa aacattcctt aggccctcgct 180

tcaggttaaga tcacagcatg tggctcgca tccaaaccat cagagattat gaaacagttc 240
caaatggcca gagcatccag caggatctcc agccattgac ccatgttctg acatgccatg 300
cttgactcac agatgtcata ctttctggtg catgagggtc catgccttca acatnngcc 360
agtttactcc atggaatcag ttgaatcctt cacttggacc atatccactt acttcccttc 420
agccctcata tagtgatct 439

<210> 14211
<211> 387
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14211

ggcttcaagc ttgttatataa taggcctgat tcctcaagga tgtccatggt ataatttctc 60
taaaaaattat gacaccatcg tggattgtgc caccaccatt ctatgaaata cgaagtttt 120
caagatctt gccaaaaaat cattgaaaag aagtttcaac taaatgatgc caacatgcc 180
tggtgattgt tagaaactac acatctattt caataaggat tctagaacga atggtaagt 240
ttccccctct cttttttaa actttacata agtcctattc agcactaatt gtcttttaa 300
tttatattnt tcagtcaatt aaacttgatc tctaaaatgc tcaataacat tagatgtcaa 360
ctccttgta atataccaga acatgat 387

<210> 14212
<211> 432
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14212

aggatgtaaa cagatttggaa acttcatat gactttcac gaaataatgg agaaataaga 60
agagaagaga ggttaagag attcttacca aagcttttag agaaaaaaaaa aacctaaaaa 120
acactaatat ggagcttggaa agaagaggaa atgggtggcct ctttagtaagt gccatattt 180
agttatTTT gggatttagaa tgtagcact tatctttga ttttaatagt ttcttataa 240
acttccttta attcttagttg ttttatatat tatacgtna taaatatTTT ttAAATATG 300
gaagattcat ccatgcattt cttatgtttt gatggtttt tgtagatct agaatccaag 360

ccaagatgaa gagcaaaaag tgtcattctt gaagaatctc atagtgccac atcgcccagc 420
tagcaatcaa ct 432

<210> 14213
<211> 336
<212> DNA
<213> Glycine max

<400> 14213

tcaaaaactt ttaatgttgg agathtagtt tggaaggta tcctgcccatt agatagtaag 60
gatcgagctt ttaggcaaat ggtccccaaa ttgggaaggg ccgtttaaaa taattcagat 120
ctattcgaat ggtgcttatg agtttagagga gctaaccctt cagaaacgta ctttgagcat 180
aatggtaag tatttgaaaa aatataaacc aacactactc gaagttaaaa taagcataga 240
ataagagaaa taccggaaac ataaaaatgg cgataacagt aaattgccac gaaagggcat 300
gtgtcaatat tacatcgaaa agtaaaatcg aaatac 336

<210> 14214
<211> 288
<212> DNA
<213> Glycine max

<400> 14214

ttccactcag actcctagtc actgctattt ttgggtttca cccctaacgaa acacatctt 60
tttagtgccc catcatatac ccccttggat gaactagttt acgcttacgc actgggtggc 120
ttctgtggtt gtacaagtaa cacacattttt ctggctctt cgttatgccc gtccgactcc 180
cactagactg atgcacatgcac actactctt gatggactgt caaagctttt gaatgcgaat 240
taaatctttt tgagattaat ttagtatgtt acaatcatta aagcaatt 288

<210> 14215
<211> 331
<212> DNA
<213> Glycine max

<400> 14215

ggaaaaaacctt atgtgcctca ttgaaggtag cacccatctt ttataaaactt gatgggagaa 60
tatccaatca acataaccca cttgaccctt ttgcacccca tttttagggc ttgtttgcc 120

accacagaga gcaacattct cccaagcccc ttctgtttat aacactccct caagaacaag 180
ttctccatgt aaaaccctcg ctctctaga acgagagaga agttcggaga aaacaagaca 240
aacccaacaa tggaaacacc tctgaaggtg tttaaattgt agtttctcgataactatt 300
acttaatggg aaataatgat gaataattaa t 331

<210> 14216
<211> 489
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14216

gaagtatact cgatgcattgc agaacntng atactcaacc ntgttaagcct aagccatagt 60
attgagcaca tgcagggcct acttatttcc aagtaatggaa aatggntgg aatcaacccg 120
acacaatgag ggagcaataa atgtcctcta taaacaatgc accggctaat tttcacccaa 180
attaaccctc catacatacc agttacacaa cttaatggca cagtattccc cctgtgcaat 240
gacctctcta ccctcacaca aattcaacgt gtgactcata agatacaata caatttcagc 300
aaactttga attaagatcc aaacctttat ctaatcacaa caatcatatg cagtggatac 360
aaatacacgc cagtttgta ctctccgtc atctccttca ttccctgctta tttcactaaa 420
cttcacagga aatcttatca atatggcgtc tggtttgtg gatattggaa tacatccgaa 480
tgatgtctn 489

<210> 14217
<211> 481
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14217

ggggaaagga aagactactt gtnatactng cannncttag agancngccg acacccncag 60
agaggacccg agagggatag tgaaagccaa gttttttat ctntatatcg ccaccaanaa 120
agggcgagct tcaatggAAC ttccaaaaaa caattattgg cgttaaattt gctccaaagc 180
tcaacattca atttaaccg ttccgatatac tgagggact caatcagact tccgataaga 240
aagtattgtc ggttgaatta gctcagagct tcagcattca attccagcg tataatatgt 300

gaccggcctc gaatatacat cccaaagacaa agttatcgtc ggttcggtc gctcaaagg 360
ccacataccca tttcaagcgg gtttgtttat cacaggcctc aatcgacatc cgagtataag 420
atatatgggc atggatgttc caacacttaa acaatctatg taaatcacaa atatataccg 480
g 481

<210> 14218
<211> 394
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14218

aggtgtggtag tcgtttcatg ncatacagaa atcaatagcc attaaacgac nnacggggc 60
gcggaagggtt gttgttcctg tcnnnaacaag acgctgaagt gagtgtgaat tctgacaatc 120
caacgacata cttttactcg atgctggatg agtccggaat taacgaaacc tcaaattaat 180
gtgagccctag aacaatcaac gaccatactt ttactccgt gtctgatggt ccctcaatat 240
cagacctcaa atttatgtga gctctaccat tcaacaacaa tactttctca atgtctgatg 300
gccggatata cagtgctcaa ttgatgtgac tctgaccatc aacacatact ttactcgagt 360
tggtggtccg cttatgagac ctgaatgaag tgat 394

<210> 14219
<211> 537
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14219

gggaccttga tcnctccctg gtatnnctta tacnntctaa tttcaactnaa tccntaccnn 60
cgagagannnn gnnnggannnn aaacagagag agagagagca agtttcattt cttacaccna 120
ccacaacaaa ccacacaggc gagggggccg cgatgacgac acacaacaca acacaacccc 180
cacacgcacn gggacggaga acagaattca aaagcgaacc ccacgagcac aggacgcagc 240
cgcagacgac tcacatcgca accgagcgac acgggataag aaccgacacg caccgcatga 300
caacggcgga acggccccgac gagacagggc caacaaccgc ccggaccaca caatcaccaa 360
cgacggaccg accgccagag cagagacgca caaagaggct gcgaccacccg ccgaccgccc 420

cccacacccc gtcaaacgga gaaaggacac agaacgaccc gacagcaacg aaagcgcgag 480
gcagacgggc cggcgaacgg agcaacccga cgagagtcca cccaacgatg agccacg 537

<210> 14220
<211> 370
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14220

ggatgtaccc gtaactngan nacnaagctc gacacgggnn aaaagangaa agggaggacc 60
cctcttcac ccccaatcca cggccccgac acgcgcaccc nntaggcaca acaacggag 120
tgaggaacct tatccggaag aaactacaca ctgggtacta atgggcatgg gaaaaatcag 180
cggaatgaca tattctggat acacaaatca caatttatcc aaggagctac ctggccacat 240
ttatttaggt attgaagcct aggttctata ctaattttaa ggctactcgc tcattaataa 300
atgtccctga cagaaaaaaaa tatcatcattt ggacactttt acaggaagcc ttggccaaaa 360
caaatgcagg 370

<210> 14221
<211> 482
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14221

tgggttcgt ttcttagttt ttanantctt tganannatn cannaacnta gganaangcc 60
aacagaaaatt gagcgaggct ttaanctca tgnncnnngc agncnnaggg ggggggacta 120
ccagaaaactt accgaaccgg cagngcnana tnnnccgaaa aagnacaang aangccaaac 180
gagagcacac atagcaaaca aagcgcccc aactagaga acgaaccgag acagggccca 240
ccaggaacag agacggagga agcaagnacag aacgcataatc caaaangnga gacagngcca 300
tgtgaagact gagacttcat tcaaggttca atatgaaatg tattttctgt tatctcggtt 360
tcttataataa ggatataatc atcaataattt ataaataactc acttaaatat tatataatat 420
atctattgtt atatattatc atattgaaat attgtattat aaaactgatt tcatttacat 480
at 482

<210> 14222
<211> 223
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14222

agtttgtgna attacccaa ttccaatgcc atatgctgac ttactccat atctgctcaa 60
taatgcaatg gtagtcataa gcccaacaaa gactccttaa cctctgttcc ctagactata 120
caaccccaac gtgacatgtg cttatcatgg gggagttcca gtgcattcca ttgagcattg 180
taagacccttg aaacataatg tgcaaagtgc gattgatgca agc 223

<210> 14223
<211> 215
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14223

ccttgaatna aaaatctgtg cctatcgcaa gggtttgtgg ttagtgctcc tctgctgacc 60
accatacaga cctttgcctt tccatgcagc aacctgttagc aattgagcag cctgaagctt 120
atgctgcaaa tatTTacaat agacccctc aacctcagca gcaaaatcag ccacagcaga 180
gcagttatga ccttccagc aacatataca accct 215

<210> 14224
<211> 308
<212> DNA
<213> Glycine max

<400> 14224

agttgtctt ccagctctcc caggcgagct agggtgcttc ctccagaagg caccgccttc 60
tggtagaact tcctggaagg cccaaGTggg cctgattact attagttaccc actgtttact 120
aaatacatcc ccttgccttt ttgctgattc ttttccgta atgttaccga actttacgaa 180
tttcgaacag atacttgata tctttccgta atgttatgga accctacaaa ttacgttac 240
atccctttt ttgcttccat aatgttacgg aacctcacga attggccaca atgcttacat 300
ttgacttt 308

<210>	14225	
<211>	53	
<212>	DNA	
<213>	Glycine max	
<400>	14225	
gcaaggaagg tagcttgctt gggaaagcaag gaagacagct atctcgaaaa gcg		53
<210>	14226	
<211>	175	
<212>	DNA	
<213>	Glycine max	
<223>	unsure at all n locations	
<400>	14226	
agactcaccc tnccgggcgg ctgtattacg cccatggcaa aaccgttact cacgttcccc	60	
ttataacctt gcgatcatac ttactgctat tgattgtgaa ttattggct tacggctgta	120	
aagactcgct ttcttcaatg ctcattatgg gttatcta atatctatctt atcac	175	
<210>	14227	
<211>	382	
<212>	DNA	
<213>	Glycine max	
<223>	unsure at all n locations	
<400>	14227	
cacgcatgga tgggcttgc ttgtatggtc aggcgttact aatcaaactt tatcattca	60	
tctaatgcta tgcctttat cgacacaaa atcgactaga aaaaggctat tgttctagt	120	
tgtataatgc cctgtgacat ttatcaagta gctaaattga ccaaattggtg gctccaaaaa	180	
acaatgcaat ccaaattatg ttctcacttc gctcacacag gtcacactcc ttgaaatcag	240	
gctctgatcc ttttatgcat gactaatgag taaaatcact tatattatact ccaaaccctag	300	
atggtaatca tataatataat ggttatcaaa tacgtacaat aacatgtctc atntgtatga	360	
actgcttagta tctaaattat ta	382	
<210>	14228	
<211>	327	
<212>	DNA	
<213>	Glycine max	

50% aligned

<223> unsure at all n locations
<400> 14228

agcttgtttt ttcttattca aatnacnggg gggcacgagg ccgagcatac ctgagctaag 60
tgcatttcgt tgccgttacc attaagctta tcgagtctgg cttgctaagc cctcgtaactt 120
agtgaatttt ctgaatgtca ttgtgctgct aagcgcaacc ctgatgagct tagcgcacat 180
ctgttggtgc aatcgctaga cttagcgggc acttgccctgc taagccgatt atgcagaagt 240
agaactttct acaaacatctt gtttagcggcc tcacatgtcg ctaagtgggt atgtgtattt 300
tgtgaaggtg agcttagcag accatgt 327

<210> 14229
<211> 397
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14229

attatgtgta tggatggttc gtagtaggct ttaacatttt cgttcttatg tgatntgtgt 60
taacaatggt atttagaatg gaaataaat gaaaggatag cttagggggga agcacancat 120
catntgtat ttactggta taccctttc tatgagatca tataccataa gtgcacactt 180
ttcctgttaa caatcattgc acacctctcg ctcacatcct tcccactgaa atccaattgt 240
cataatggat taacctatat ctaccaatac aatacaagat catatcaatg tcaaacatca 300
gtgtcagctc cctgtgactc ttatagctt gctacaagaa cccacatgtt ggcaagctca 360
ttttacaggt atgcttctct ttgctatgat tcttcaa 397

<210> 14230
<211> 275
<212> DNA
<213> Glycine max

<400> 14230

tgtgacactt gtagaaactc ttagtgaatga cagtcttgc gacacaactc aaagttcatc 60
ttctctccct ttttcttcca tcaatatcat gctccgccc ctctatttct ctccctattt 120
cttgcactcc atagaagcat cctctccaag ctgttatac aaagctcatac ttgggtggta 180
agtccttct atcatggctt attccctagt ggatggagcc tcctctcacc tcttctcctt 240

tgtcttctgc tgcatactcca tggtgaaaca cacca

275

<210> 14231
<211> 363
<212> DNA
<213> Glycine max

<400> 14231

ttgataaaaag gnatgcgccca cattatgc atgacacaaa tgcacaaaatg atgatttggaa 60
aattttatgc acaactggtc atgcacatgcac ctatgcggac actcaagtgt taaattatta 120
tggcatgtg atgcttagggc tcaggattca ttttctctat ttttagtcaac ccaatgtttc 180
caaaatatgt tcttttatcc atttgcacat tcacccaatgt ccatttctgg cgtccggaa 240
aattttacag cattcacccct ttaggtgaca cacattttt cataaaacttag ctatgatcag 300
cgaattatttc ttcatagaaa agttgaaagt catctttt caaaagcatg ttgggttca 360
act 363

<210> 14232
<211> 266
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14232

tttgcagct ttttgtgtg taacgcacca tctttcata gtggaaactt ggtactgtgt 60
ctactatcac aatgatcatc tccctttcg tcattgggg tgccacctgg gctgccaagt 120
ctctccacct ttgggcgtat tcttggaaag attcatgccc ctctntagcc atgttctgt 180
gtggcatcct atccggagcc atatcagaac tgtactgaca actgccaac aaaggcaacc 240
attnaagtcc tccaaagaatg gactcg 266

<210> 14233
<211> 369
<212> DNA
<213> Glycine max

<400> 14233

agataccacc agcatcaagg aatttaggtt gttgatggat tctctccaaa tgcaagctgt 60

ccgcaagact tacggaaaga tcttagagtt aacccttagca gaggtatcca tagaagtcat 120
tgcatcaactc acccaatact acgaccagcc tttgagatac ttcacattcg gagacttcca 180
attagtagcca accattgaag aatttgagga aattcttagga tgtcctctcg ggggaagaaa 240
accatatctt tcattccgggt gtctcccctc tttgagcaga attgcaacag tggtaaggaa 300
ttcagcaaga gtttggAAC cgcataaaca gactcggaac ggcatacgCG gcctaccacg 360
ggggtaacct 369

<210> 14234
<211> 133
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14234

tttgcatgct tgTTTcgagg tacttacccg tngaagatcg aagaacgatg aagaacgatt 60
gaagaacgTC gaataacggt tgAAATCTT gcgAAATTCC tcacggaaaa cgttacggaa 120
acgTTTcgga agc 133

<210> 14235
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14235

nttcgattcg ttctatgtac ccgttagtggt ccacattgtg tttctgtgc atttataatt 60
ctcgtatttg ttgagcttn tatanccccc tggacggt gcttaagcca thnnttactt 120
aagtcatgt ctgcgtttaa cttataaaat ataaataata tttccacccg aaccgtttga 180
atgcattat ccattaactt cggtaaaat caattccgac cgttcggcgt tgccgttaacc 240
acgttggaaa tcaaaaagag gtaaaaaata atataataat caaaaaatat cttttagta 300
aaataaagcg gacaatcaag tggacattnt ctcttggga tttctcatc ttaatcgaat 360
tgattaataa ctaaagtcaa actaaaggc taaatcaatt cgtctagtca agtcgtcca 420
ta 422

<210> 14236

<211> 232
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 14236

tatcattcct tgccctcgga ngaaaacaca aaaagaagga aaatccccaa tcaaagaaag 60
ggagaaaagca aaaaaaggaa agaaaattcc catttaaaag agggagaata agaaaataaa 120
aagaagaaag gaaatcctcg atcaaagatc ggaagaaaac agaagaaata tacagaaagg 180
tcttggacc agagaatatc tgaacaatac agaattgtca ccaagaaaac at 232

<210> 14237

<211> 483

<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 14237

aaattcacgc tcggctgatt acgtgcactt gcatctaagg ttttgaatgc ctgttgatga 60
gttaaactacc cattctgttt agggtttgn gangaggttg gggaggttat atgcctgaat 120
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